

# **COVID-19 and Medi-Cal Utilization: Children 0-17 Years Old**

**January 2022 data, reported through September 2021**

# Understanding COVID-19 Impact on Children in Medi-Cal

- DHCS is performing analysis and developing dashboards that will monitor the impact of COVID-19
    - » Focus areas for monitoring service utilization:
      - » COVID-19 cases, hospitalizations, and testing
      - » Utilization of services prior to and during the pandemic
- |                              |                                   |
|------------------------------|-----------------------------------|
| *Emergency Department Visits | *Telehealth Visits                |
| *Outpatient Visits           | *Beneficiaries with Dental Visits |
| *Mental Health Visits        | *Prescription Claims              |

# Data Analysis Caveats

- » Data presented is for children 0 - 17 years old unless specified otherwise
- » Age is based on the Medi-Cal eligibility data at the time of the service
- » Stratifications by sex, race/ethnicity, delivery system, and location are based on the most recent 12 months of reported data
- » Reporting is based on fee-for-service claims and managed care encounter data
- » Additional measures and reporting are in process beyond those being shared today

# Data Completeness Considerations

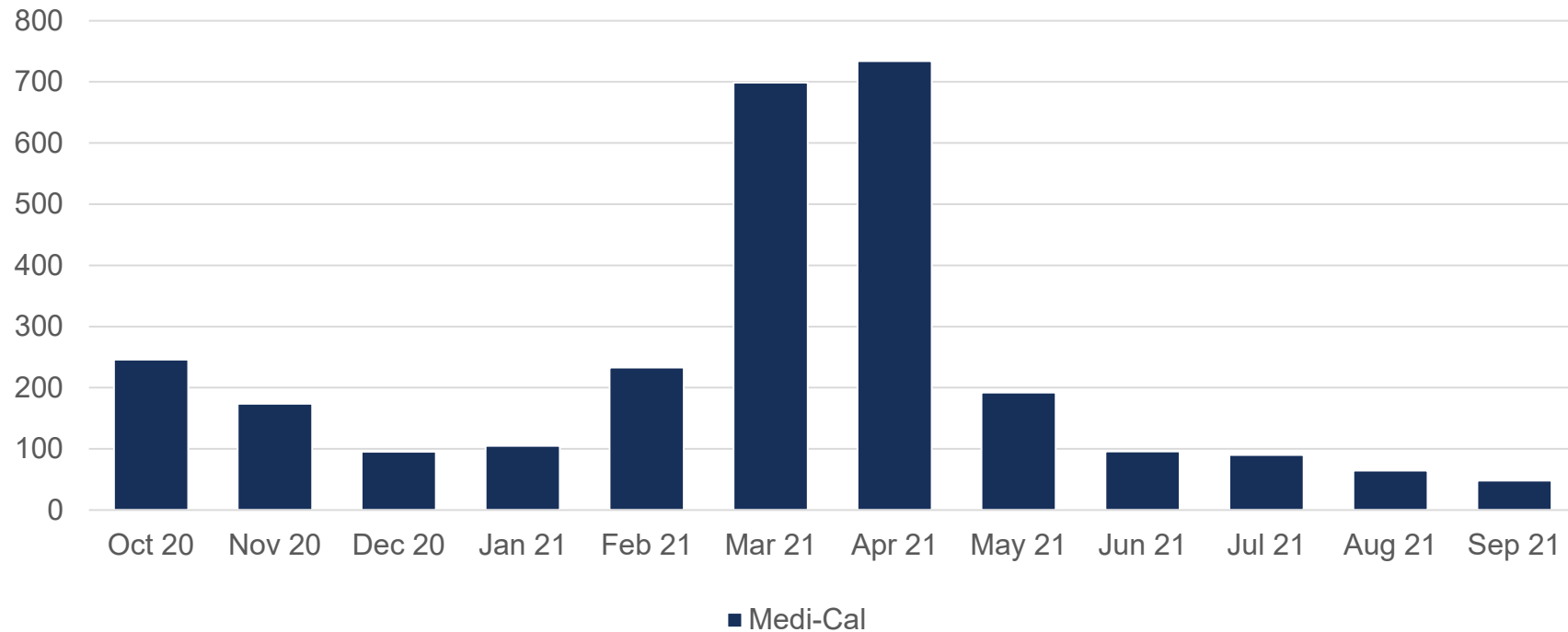
- » Data is preliminary and will continue to change and be updated
- » While most data is received within 3 to 6 months of date of service, data may be received up to 6 to 18 months after services are delivered (claim lag)
- » The time between a date of service and when DHCS receives fee-for-service claims, managed care encounters, and specialty mental health claims from providers varies
- » DHCS does not report the most recent months of utilization because of claim lag: the most recent 4 months for hospitalizations are not reported, 5 months for specialty mental health services, and 3 months for other services

# COVID-19 Confirmed Cases

- » Total number of beneficiaries 0-17 years old with a COVID-19 diagnosis
- » ICD-10 codes are used to identify COVID-19 cases on claims or encounters:
  - » B97.29 - other coronavirus as the cause of diseases classified elsewhere (Used for cases before April 1, 2020)
  - » U07.1 - 2019 Novel Coronavirus, COVID-19 (Used to identify cases after April 1, 2020)
- » Cases are counted for service dates October 1, 2020 –present.
- » Data source:
  - » DHCS MIS/DSS Claims and Eligibility Data
  - » California Open Data Portal

# COVID-19 Confirmed Cases

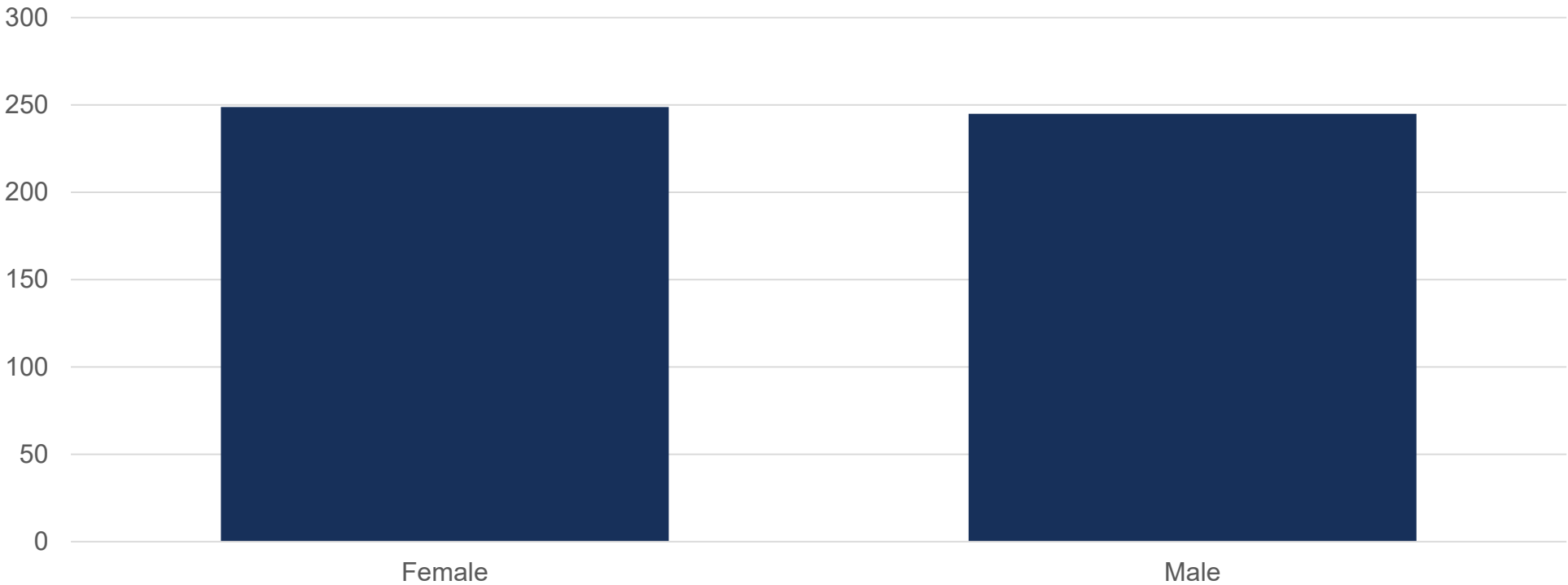
## per 100,000 population 0-17 years old



	Oct 20	Nov 20	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21
Medi-Cal	246	174	95	105	233	699	734	192	96	90	65	48

# COVID-19 Confirmed Cases

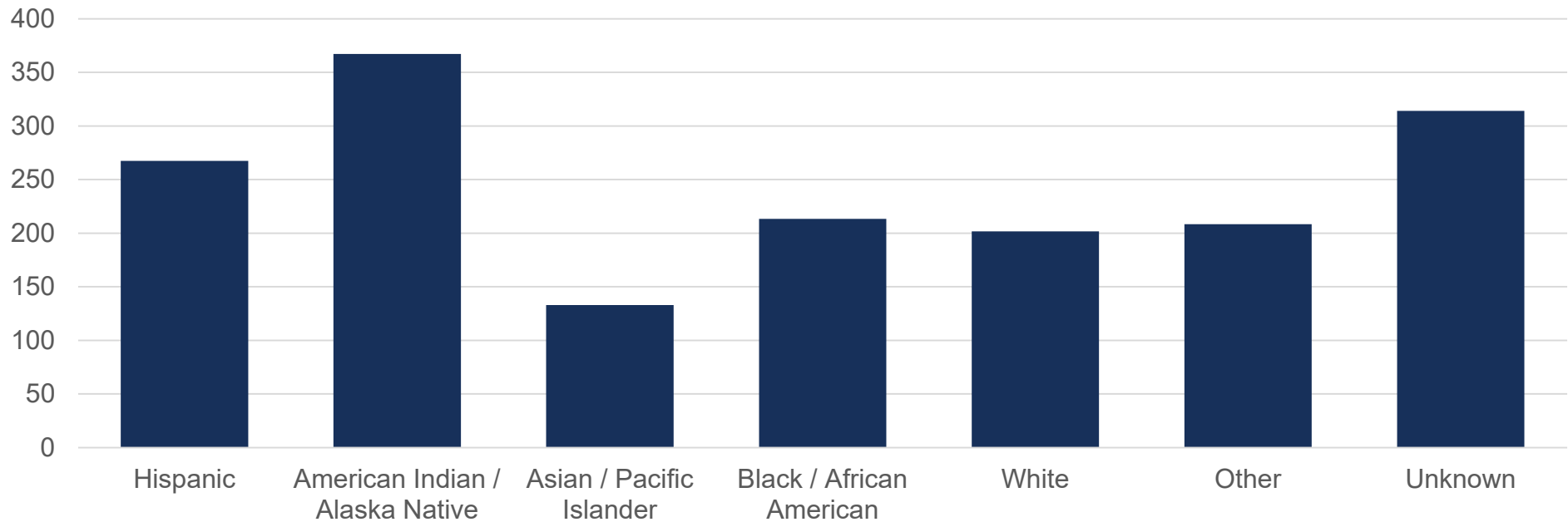
By Sex Per 100,000 beneficiaries 0-17 years old



Oct 20 - Sep 21	Female	Male
	249	245

# COVID-19 Confirmed Cases

## By Race/Ethnicity per 100,000 beneficiaries 0-17 years old

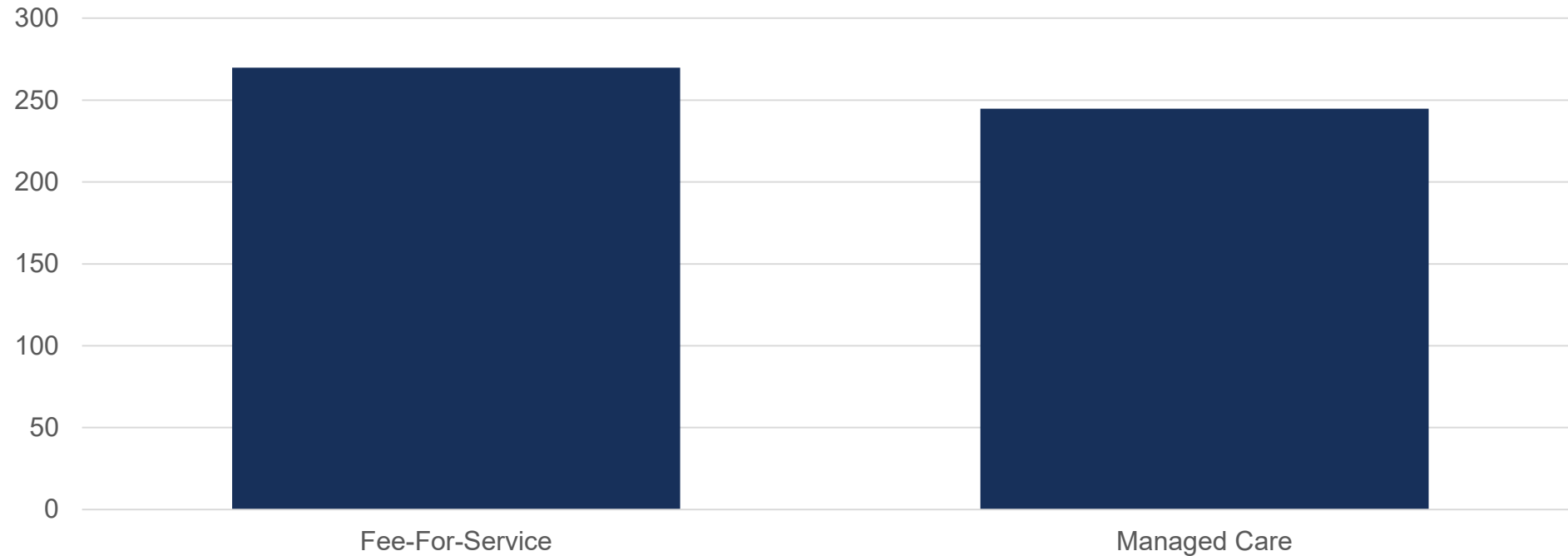


Oct 20 - Sep 21	Hispanic	American Indian / Alaska Native	Asian / Pacific Islander	Black / African American	White	Other	Unknown
	268	367	133	213	202	209	314



# COVID-19 Confirmed Cases

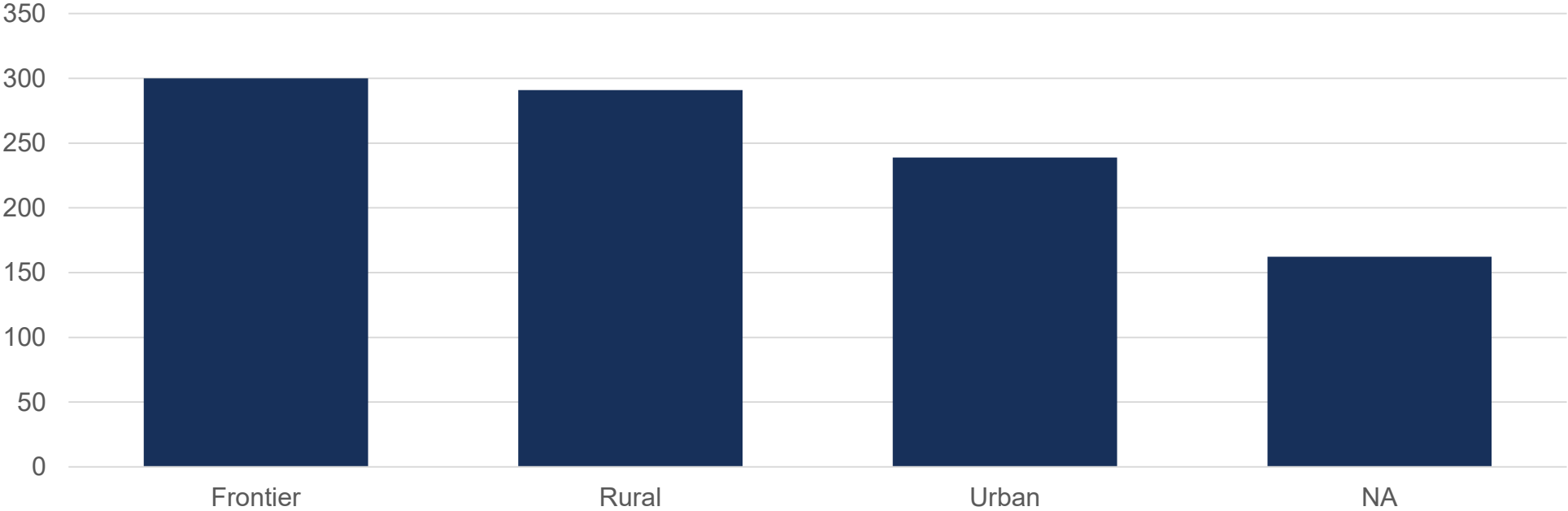
## By Delivery System per 100,000 beneficiaries 0-17 years old



Oct 20 - Sep 21	Fee-For-Service	Managed Care
	270	245

# COVID-19 Confirmed Cases

By Location per 100,000 beneficiaries 0-17 years old



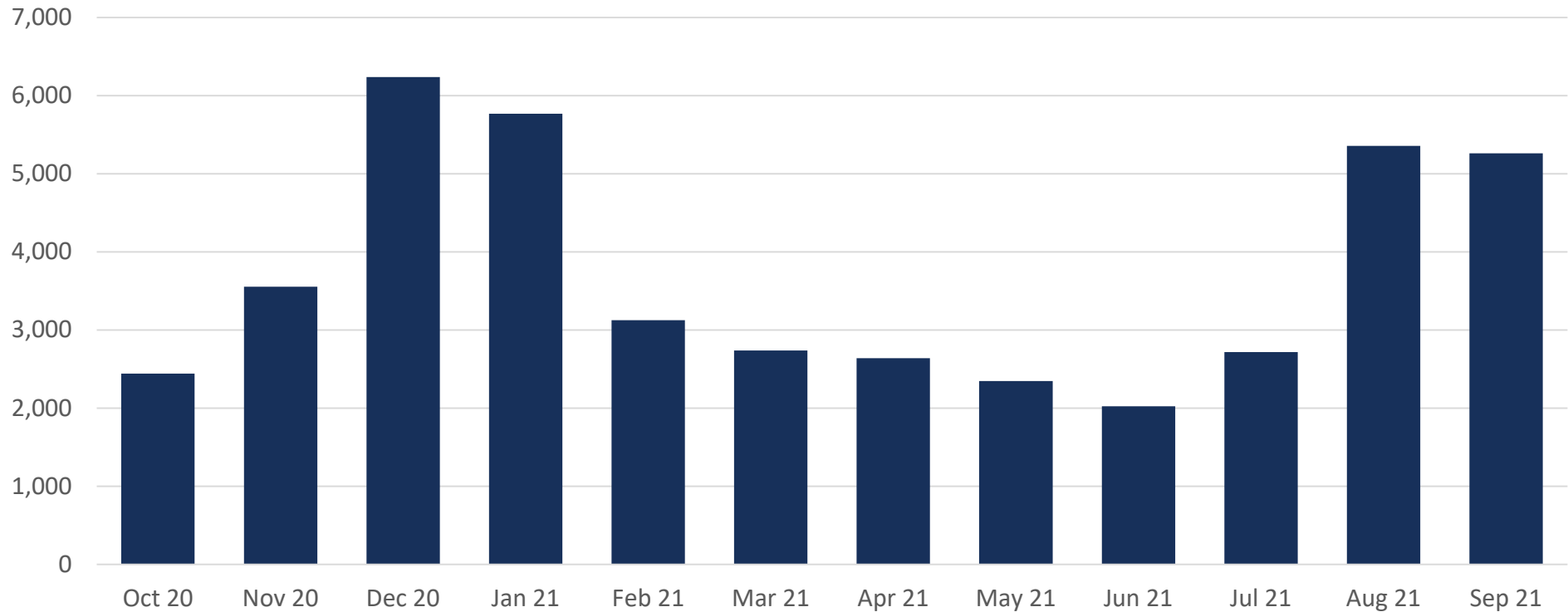
Oct 20 - Sep 21	Frontier	Rural	Urban	NA
	300	291	239	162

# COVID-19 Testing

- » Total number of COVID-19 tests by month tested for beneficiaries 0-17 years old
- » Data represent totals of tests (claims), not individual people
- » Tests can be antigen- or antibody-based. Specific codes used for identification of COVID-19 tests in Medi-Cal claims include, but are not limited to: U0001-4, 87635, 87426, 0202U, 0224U, 86328 and 86769
- » Data does not represent test results or positivity status
- » Data source:
  - » Medi-Cal: DHCS MIS/DSS Claims and Eligibility Data
  - » California ("total population") Cases: CDPH CalREDIE, California Open Data Portal

# COVID-19 Testing

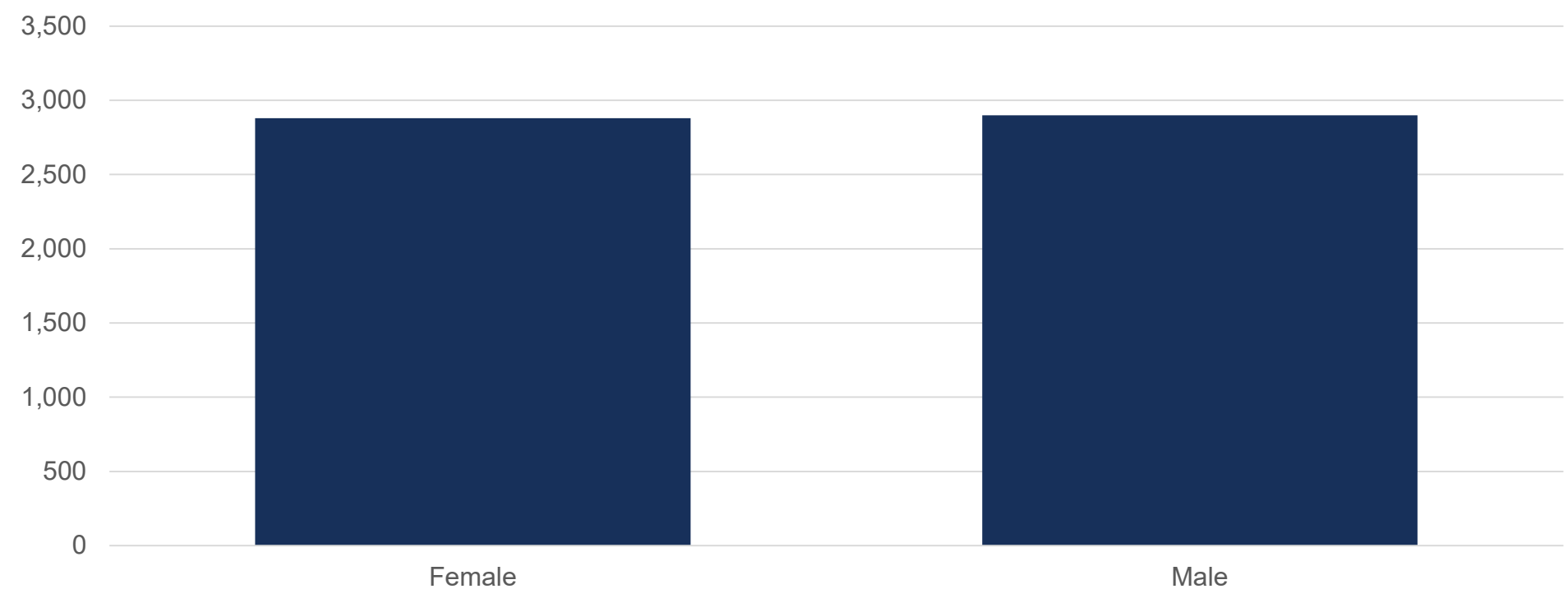
per 100,000 beneficiaries 0-17 years old



	Oct 20	Nov 20	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21
Medi-Cal	2,440	3,555	6,239	5,768	3,125	2,736	2,640	2,347	2,021	2,718	5,356	5,262

# COVID-19 Testing

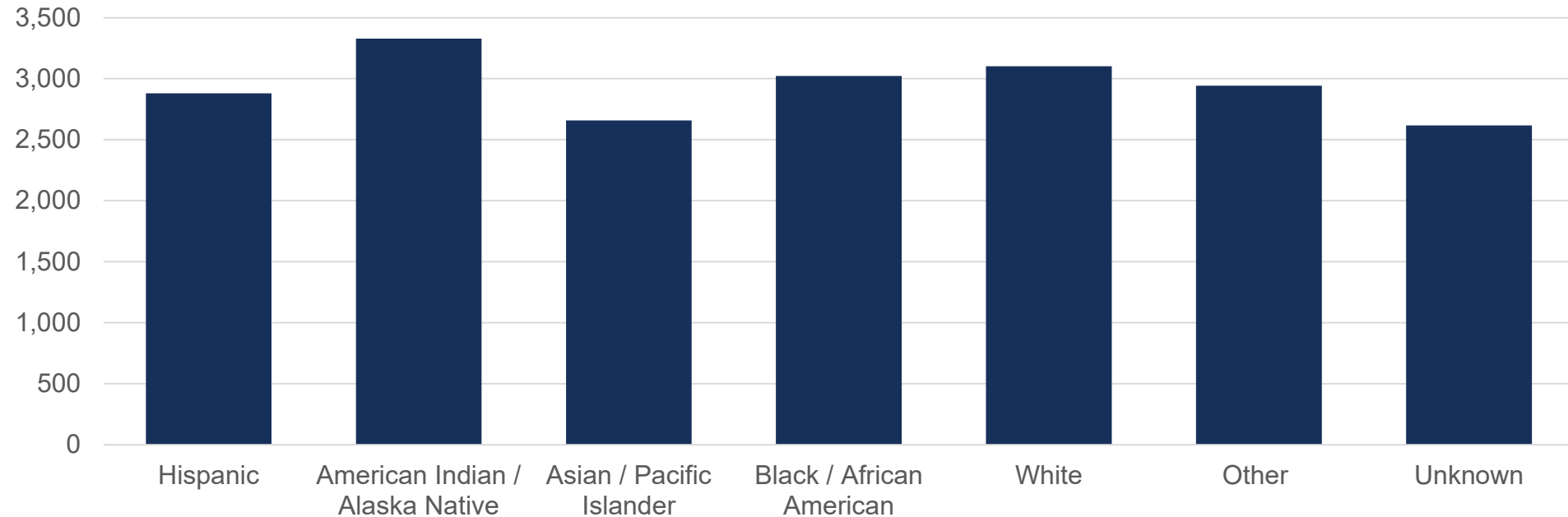
## By Sex per 100,000 beneficiaries 0-17 years old



Oct 20 - Sep 21	Female	Male
	2,880	2,899

# COVID-19 Testing

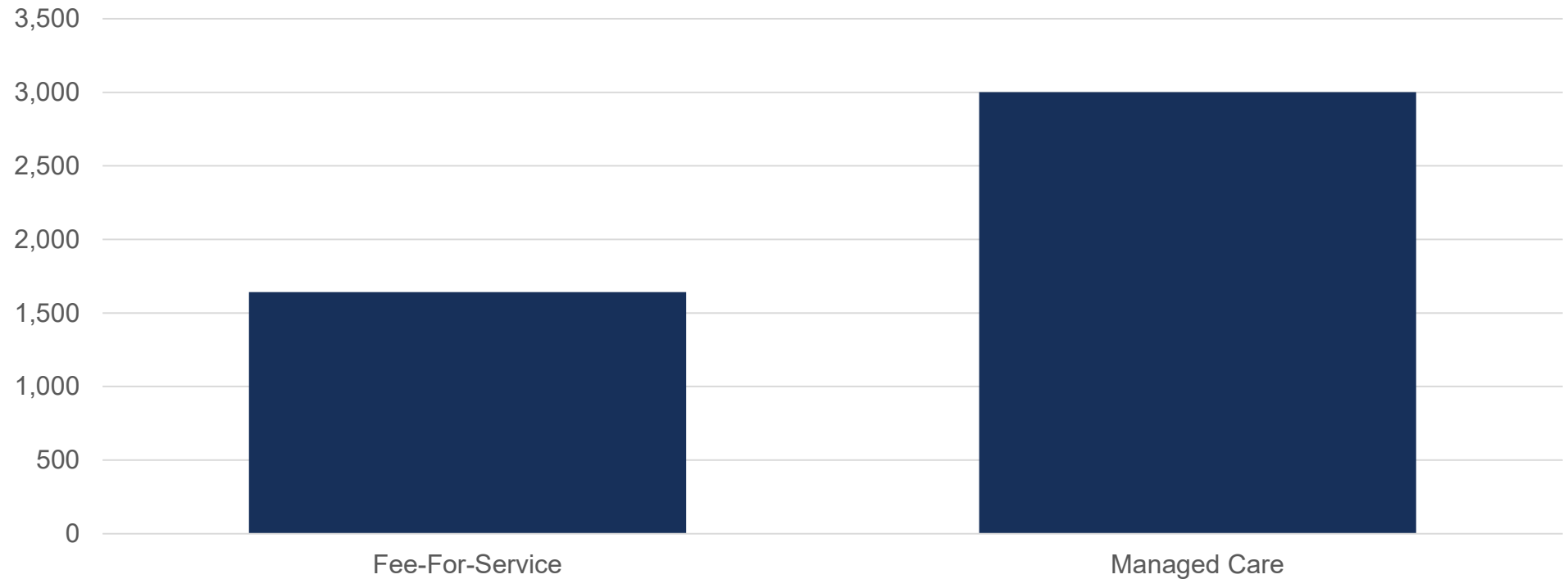
By Race/Ethnicity per 100,000 beneficiaries 0-17 years old



Oct 20 - Sep 21	Hispanic	American Indian / Alaska Native	Asian / Pacific Islander	Black / African American	White	Other	Unknown
	2,880	3,328	2,657	3,022	3,102	2,943	2,618

# COVID-19 Testing

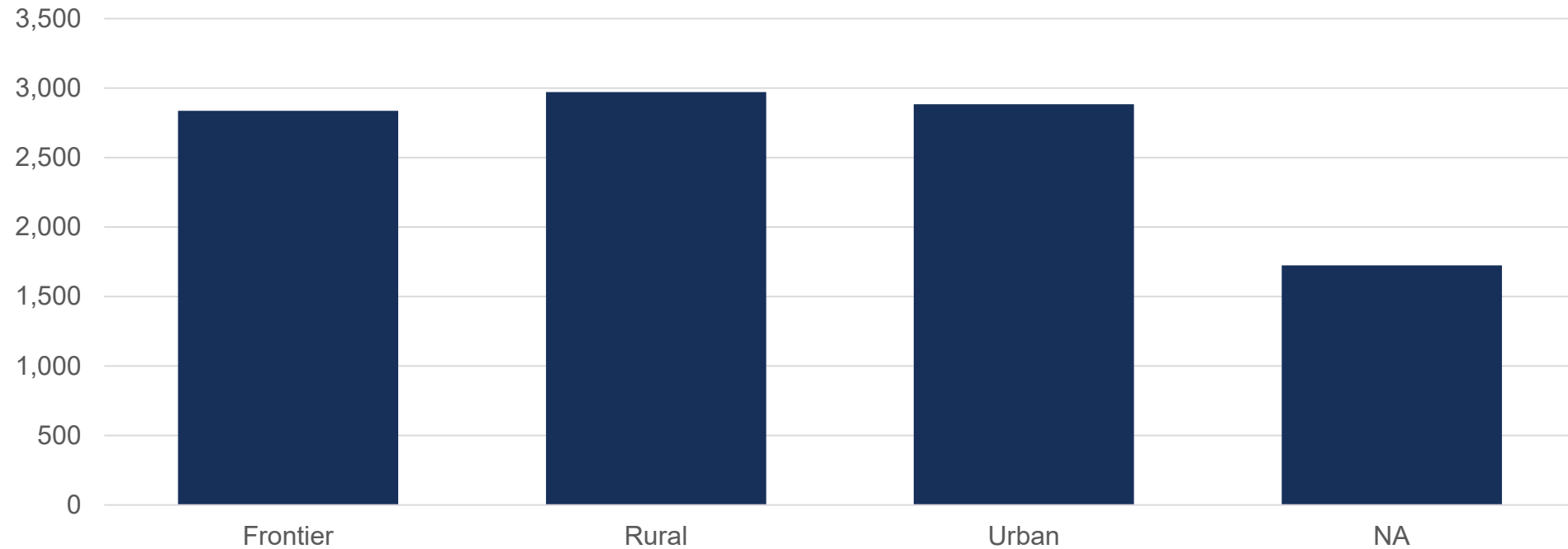
By Delivery System per 100,000 beneficiaries 0-17 years old



Oct 20 - Sep 21	Fee-For-Service	Managed Care
	1,642	3,001

# COVID-19 Testing

## By Location per 100,000 beneficiaries 0-17 years old



Oct 20 - Sep 21	Frontier	Rural	Urban	NA
	2,835	2,971	2,884	1,724

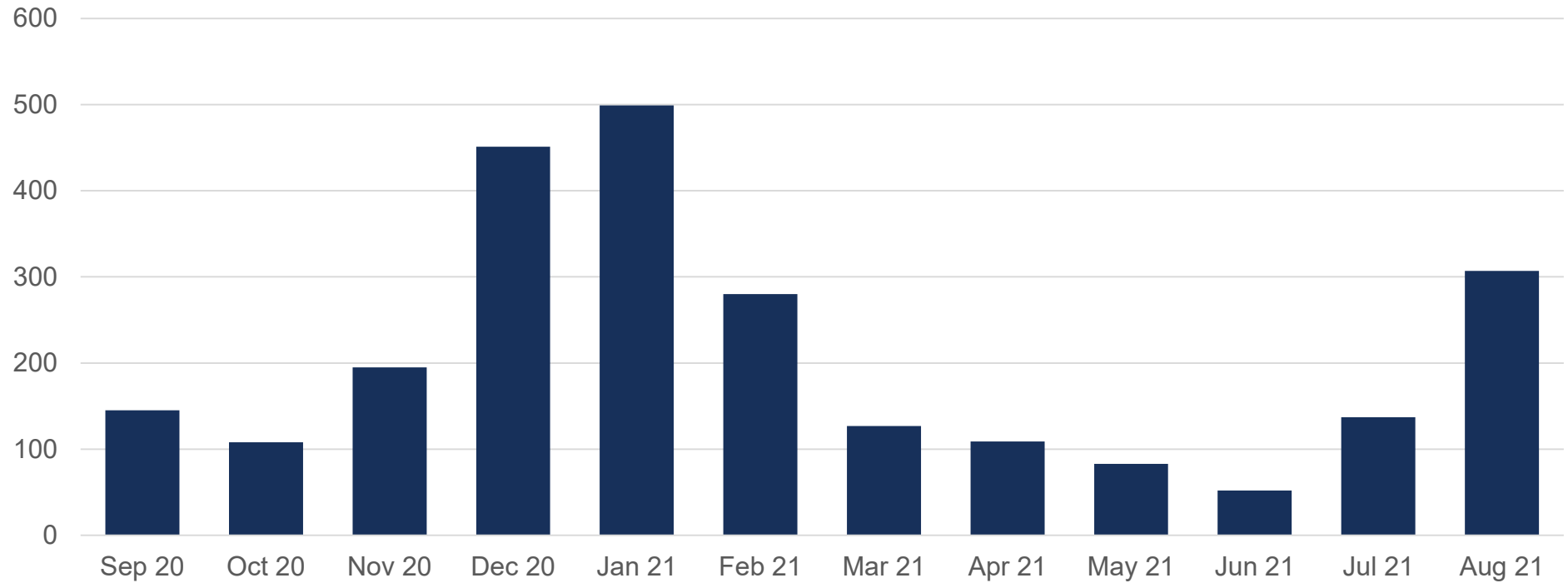


# COVID-19 Hospitalizations

- » Hospitalizations are presented in the following ways
  - » COVID-19 diagnosis (present on admission)
  - » All hospitalizations (COVID-19 and non-COVID-19)
  - » Comparison by calendar year, starting in 2019 (Pre-COVID) to present
- » Inpatient stays were defined as a unique combination of beneficiary and service date
- » Data Source:
  - » DHCS MIS/DSS Claims and Eligibility Data

# COVID-19 Hospitalizations

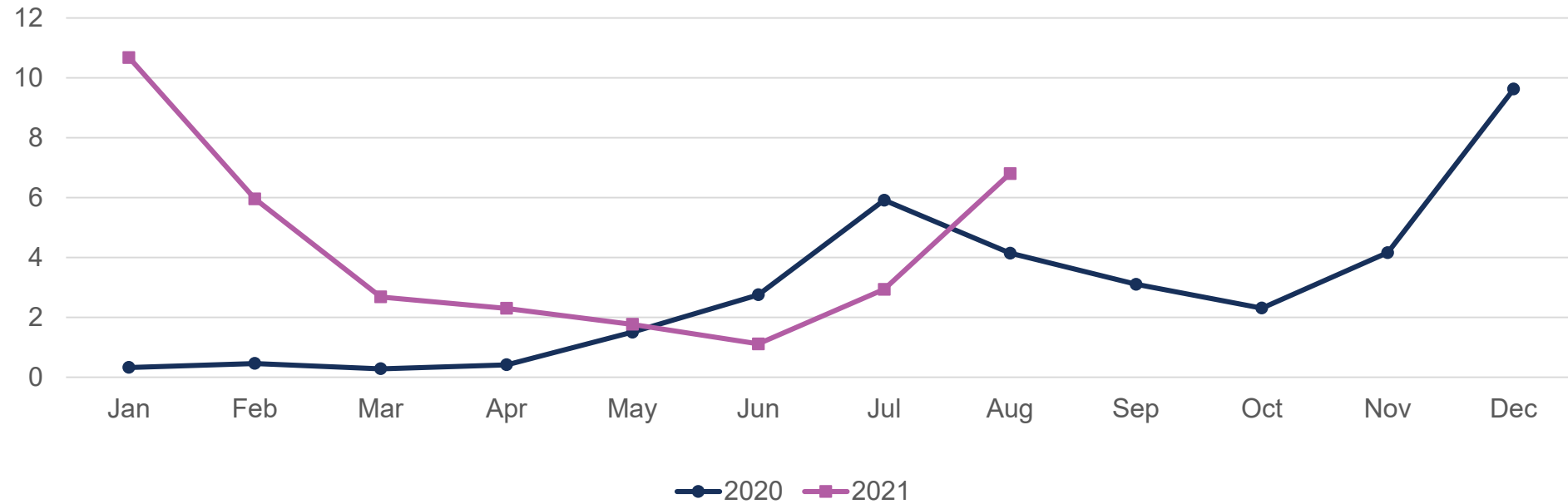
Count of beneficiaries 0-17 years old



Sep 20	Oct 20	Nov 20	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21
145	108	195	451	499	280	127	109	83	52	137	307

# COVID-19 Hospitalizations

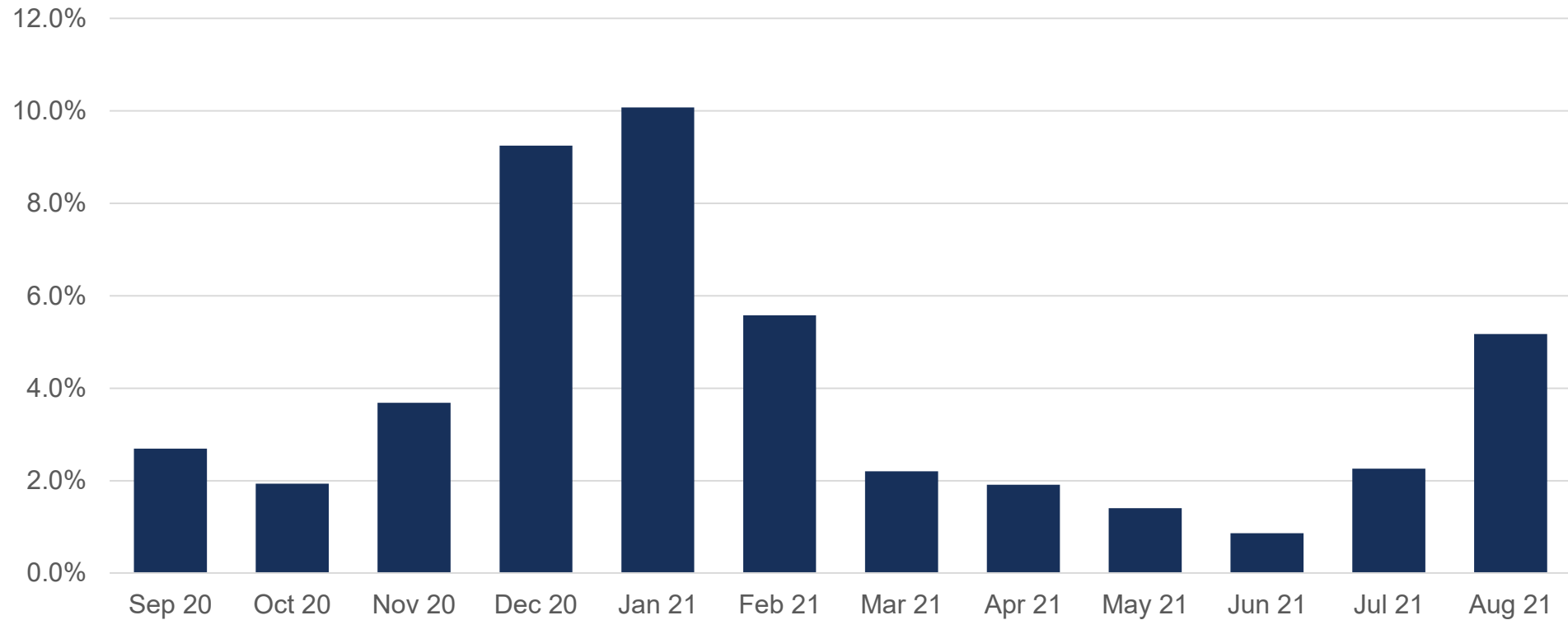
Per 100,000 beneficiaries 0-17 Years Old



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2020	0	0	0	0	2	3	6	4	3	2	4	10
2021	11	6	3	2	2	1	3	7				

# COVID-19 Hospitalizations

Percent of Hospitalizations per 100,000 beneficiaries 0-17 Years Old



Sep 20	Oct 20	Nov 20	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21
2.7%	1.9%	3.7%	9.2%	10.1%	5.6%	2.2%	1.9%	1.4%	0.9%	2.3%	5.2%

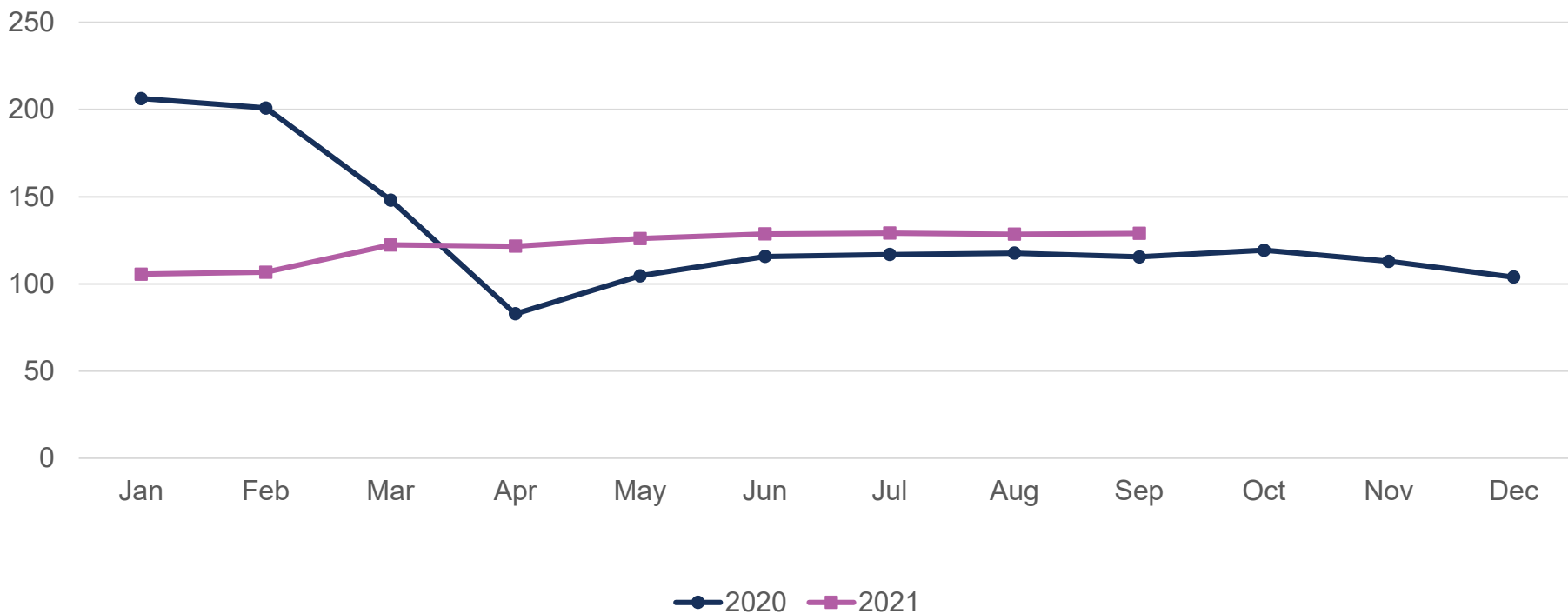
# Medi-Cal Utilization of Services During the Pandemic Response

The following measures have been compiled to compare utilization during calendar year 2019 (Pre-COVID) to present:

- » Hospitalizations
- » Emergency Department Visits
- » Telehealth Visits
- » Outpatient Visits
- » Beneficiaries with Dental Visits
- » Mental Health Services
- » Prescription Claims

# Hospitalizations

per 100,000 beneficiaries 0-17 Years Old



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2020	206	201	148	83	105	116	117	118	115	119	113	104
2021	106	107	122	122	126	129	129	128	129			

# Hospitalizations

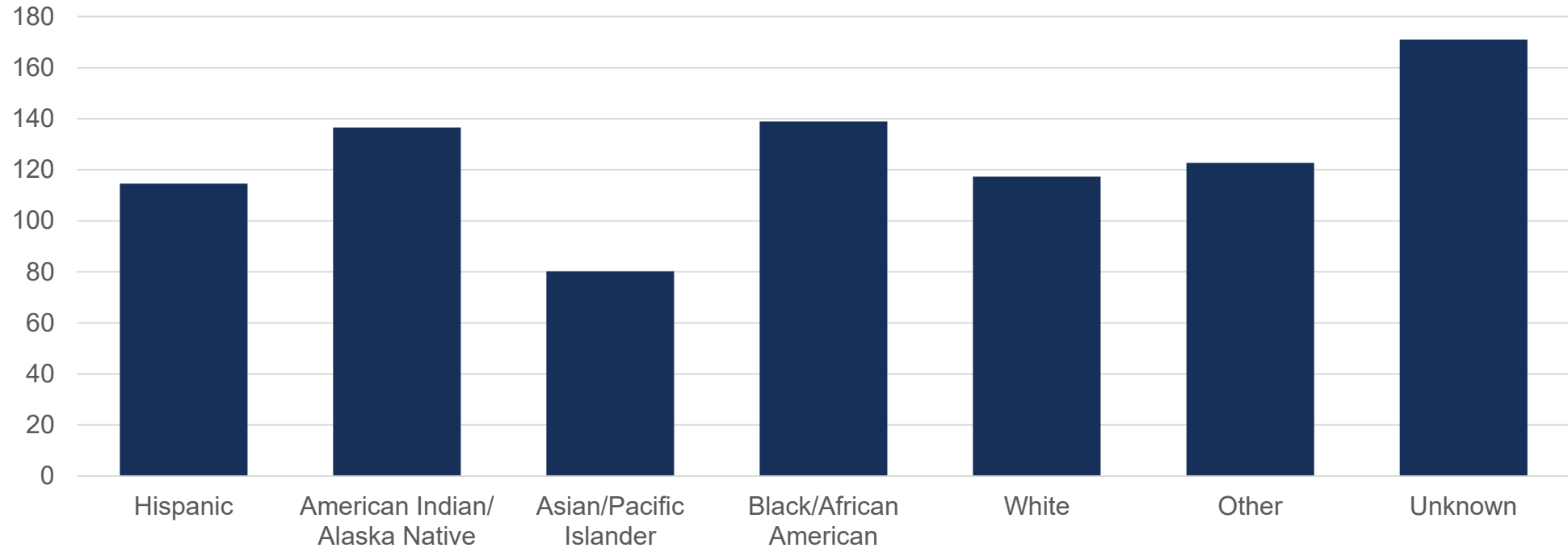
By Sex Per 100,000 beneficiaries 0-17 years old



Sep 20 - Aug 21	Female	Male
	118	121

# Hospitalizations

## By Race/Ethnicity per 100,000 beneficiaries 0-17 years old

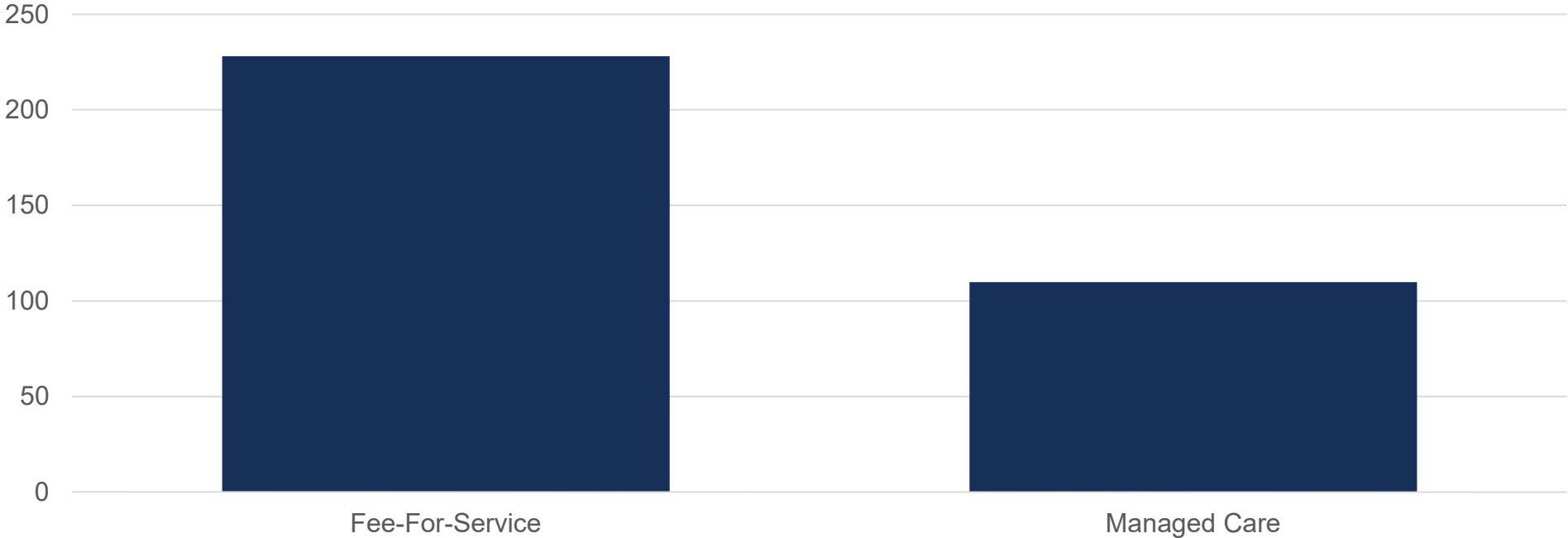


Sep 20 - Aug 21	Hispanic	American Indian/ Alaska Native	Asian/Pacific Islander	Black/African American	White	Other	Unknown
	115	137	80	139	117	123	171



# Hospitalizations

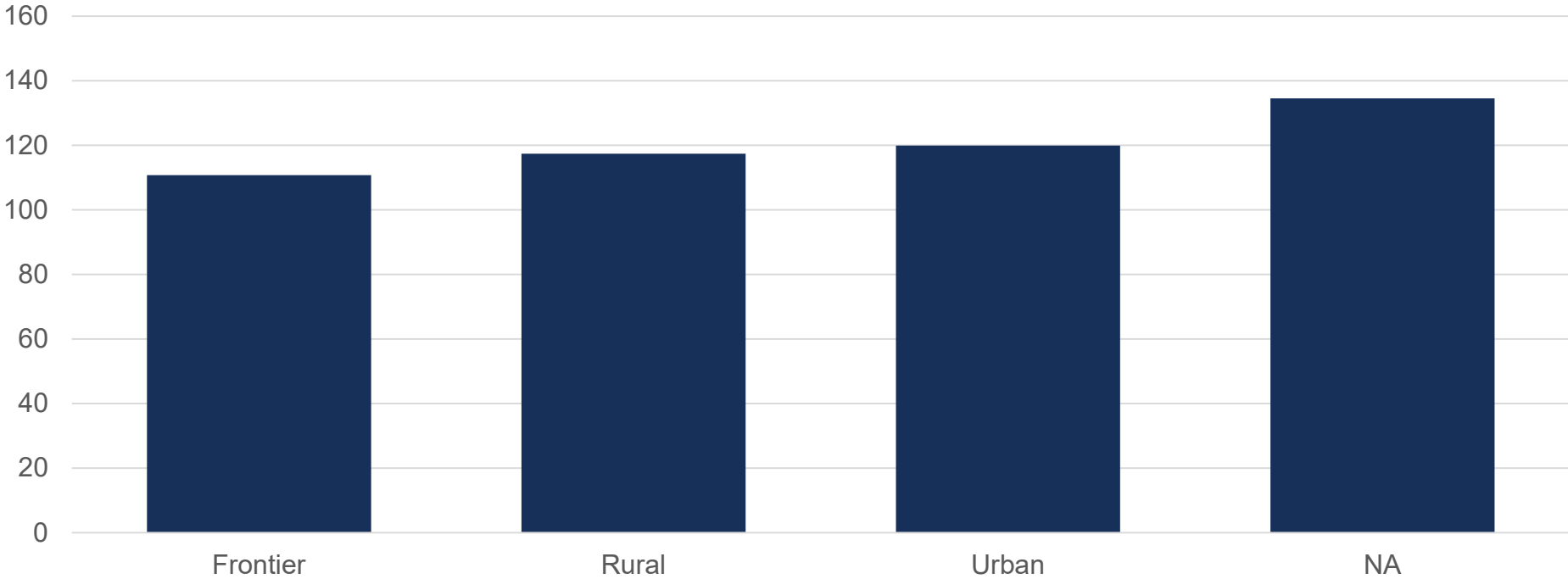
By Delivery System per 100,000 beneficiaries 0-17 years old



Sep 20 - Aug 21	Fee-For-Service	Managed Care
	228	110

# Hospitalizations

By Location per 100,000 beneficiaries 0-17 years old



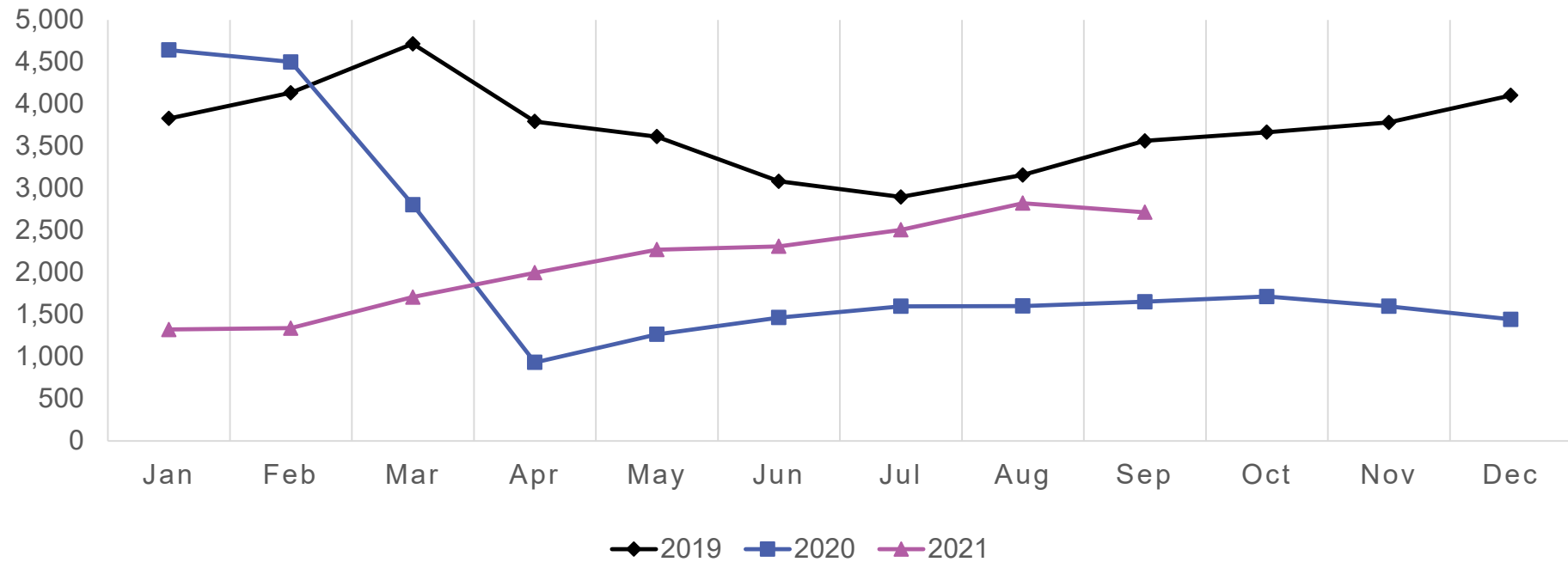
Sep 20 - Aug 21	Frontier	Rural	Urban	NA
	111	117	120	135

# Emergency Department Visits

- » Total number Emergency Department visits including those related to COVID-19 among beneficiaries 0-17 years old
- » Procedure Codes Utilized:  
99281, 99282, 99283, 99284, 99285
- » Overall, California hospitals experienced declines of 40% to 60% in ED visits during the pandemic (The Financial Impact of COVID-19 on California Hospitals, CHCF)
- » Data Source:
  - » MIS/DSS Claims and Eligibility Data

# Emergency Department Visits

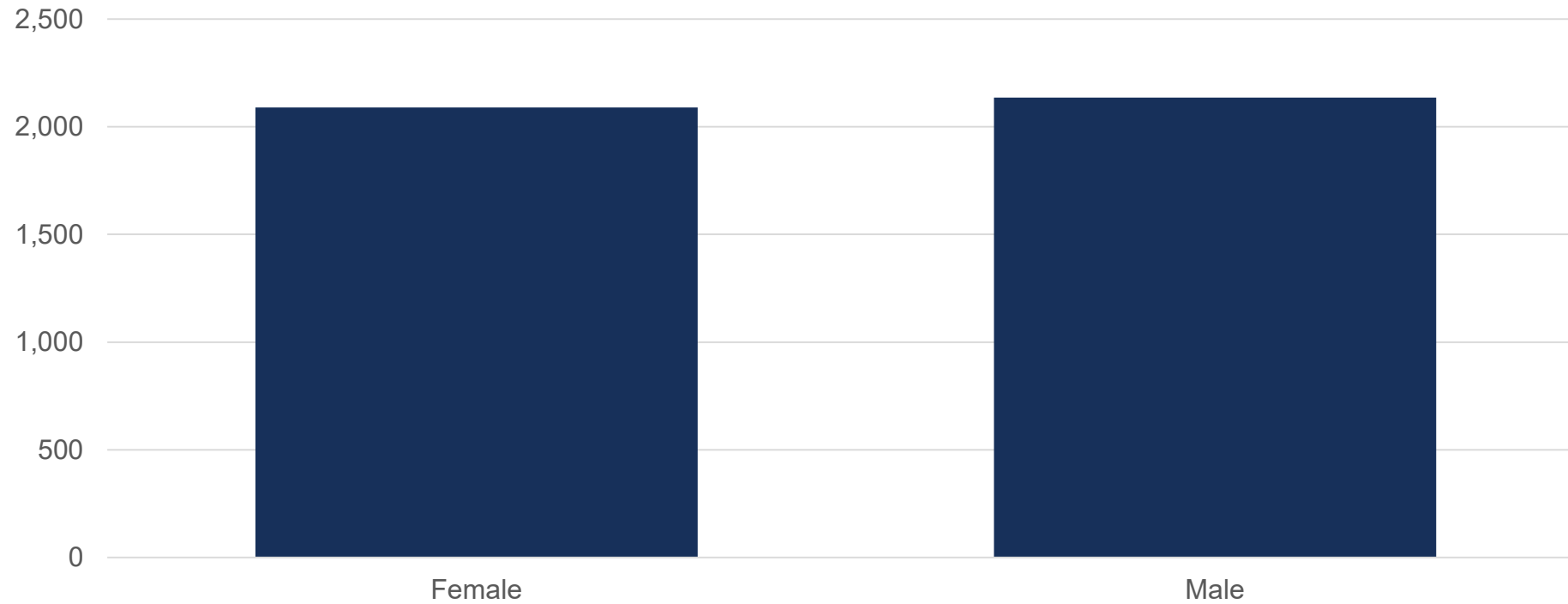
## per 100,000 beneficiaries 0-17 Years Old



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019	3,828	4,134	4,715	3,793	3,613	3,083	2,896	3,158	3,562	3,666	3,782	4,103
2020	4,643	4,500	2,805	933	1,266	1,465	1,598	1,602	1,652	1,714	1,599	1,443
2021	1,322	1,339	1,709	1,997	2,271	2,311	2,507	2,824	2,715			

# Emergency Department Visits

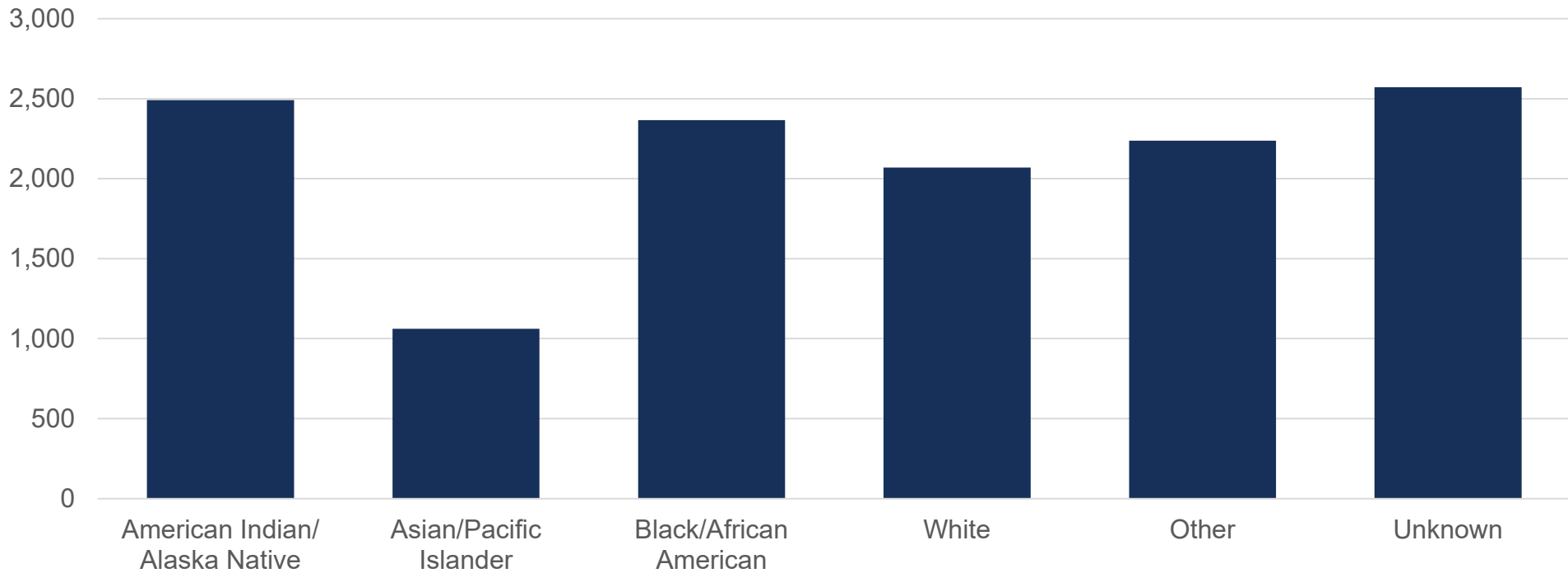
## By Sex per 100,000 beneficiaries 0-17 years old



Oct 20 - Sep 21	Female	Male
	2,090	2,136

# Emergency Department Visits

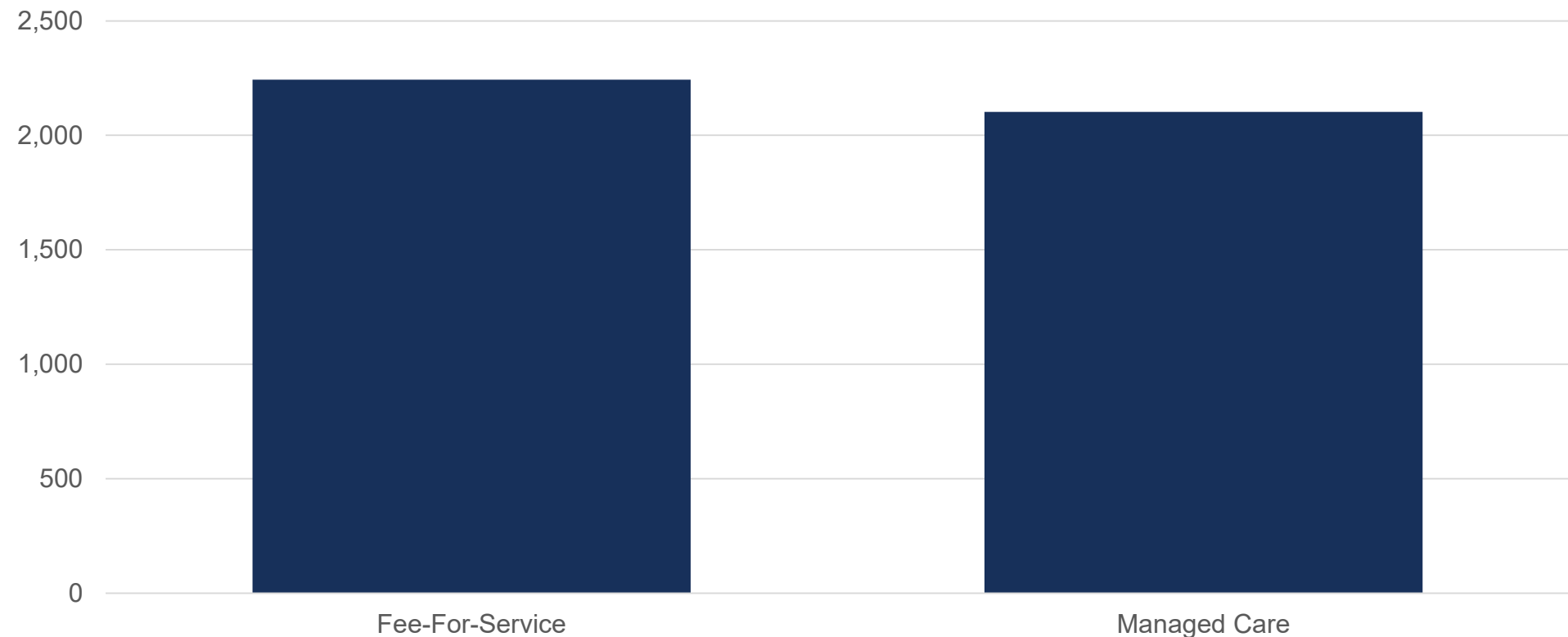
## By Race/Ethnicity per 100,000 beneficiaries 0-17 years old



Oct 20 - Sep 21	Hispanic	American Indian/ Alaska Native	Asian/Pacific Islander	Black/African American	White	Other	Unknown
	2,127	2,491	1,062	2,366	2,070	2,238	2,573

# Emergency Department Visits

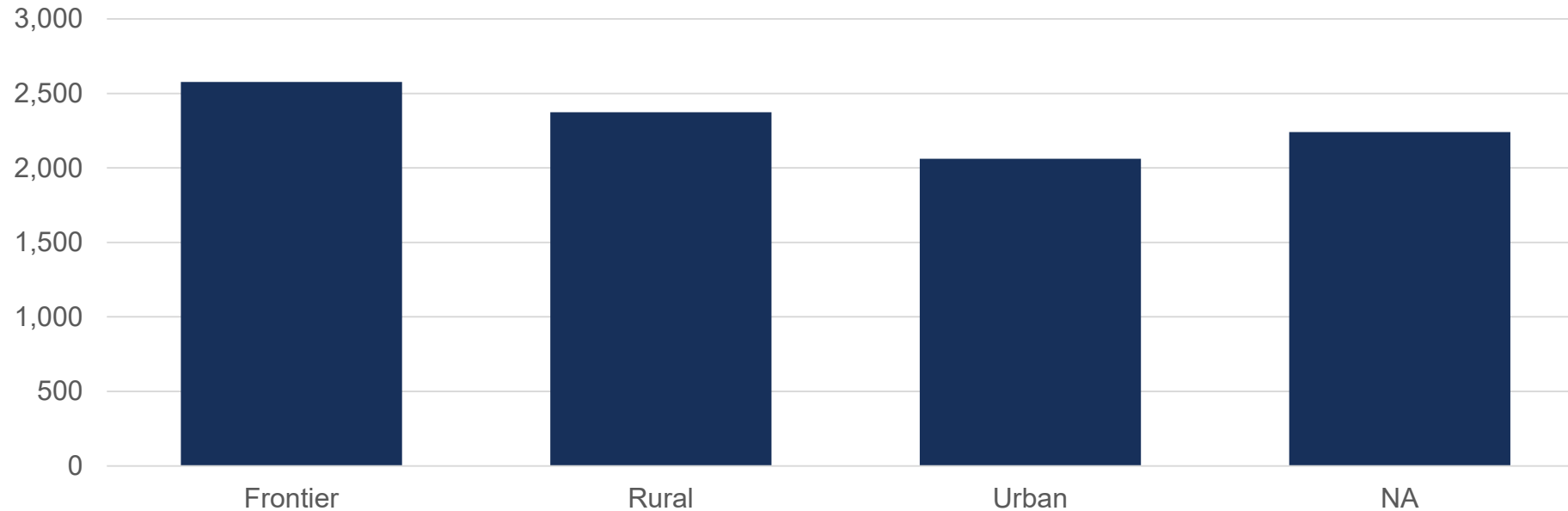
By Delivery System per 100,000 beneficiaries 0-17 years old



Oct 20 - Sep 21	Fee-For-Service	Managed Care
	2,243	2,102

# Emergency Department Visits

## By Location per 100,000 beneficiaries 0-17 years old



Oct 20 - Sep 21	Frontier	Rural	Urban	NA
	2,577	2,373	2,061	2,240

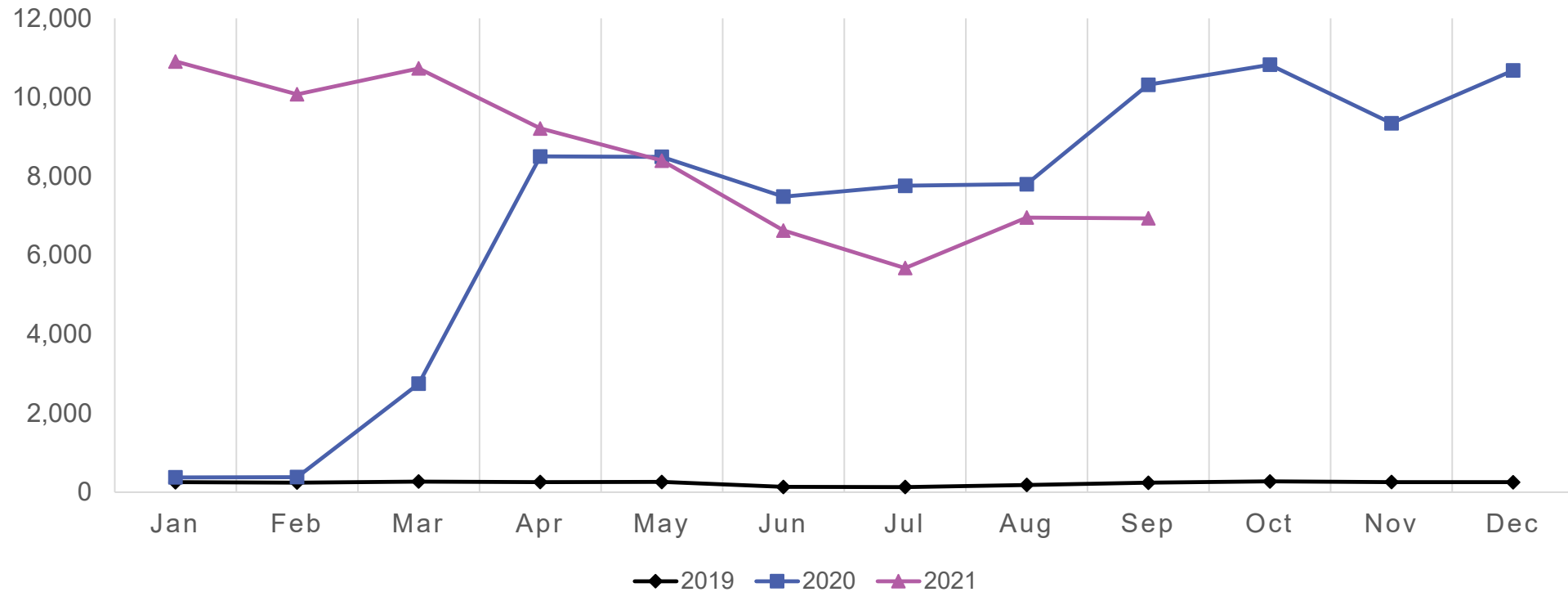


# Telehealth Visits

- » Telehealth visits were identified based on the presence of a modifier on the claim or encounter (modifiers 95, GQ and GT)
- » Telehealth visits include phone and video healthcare visits
- » Telehealth visits are outpatient visits in fee-for-service or managed care – mental health visits are not included in this chart
- » Source of data:
  - » MIS/DSS Claims and Eligibility

# Telehealth Visits

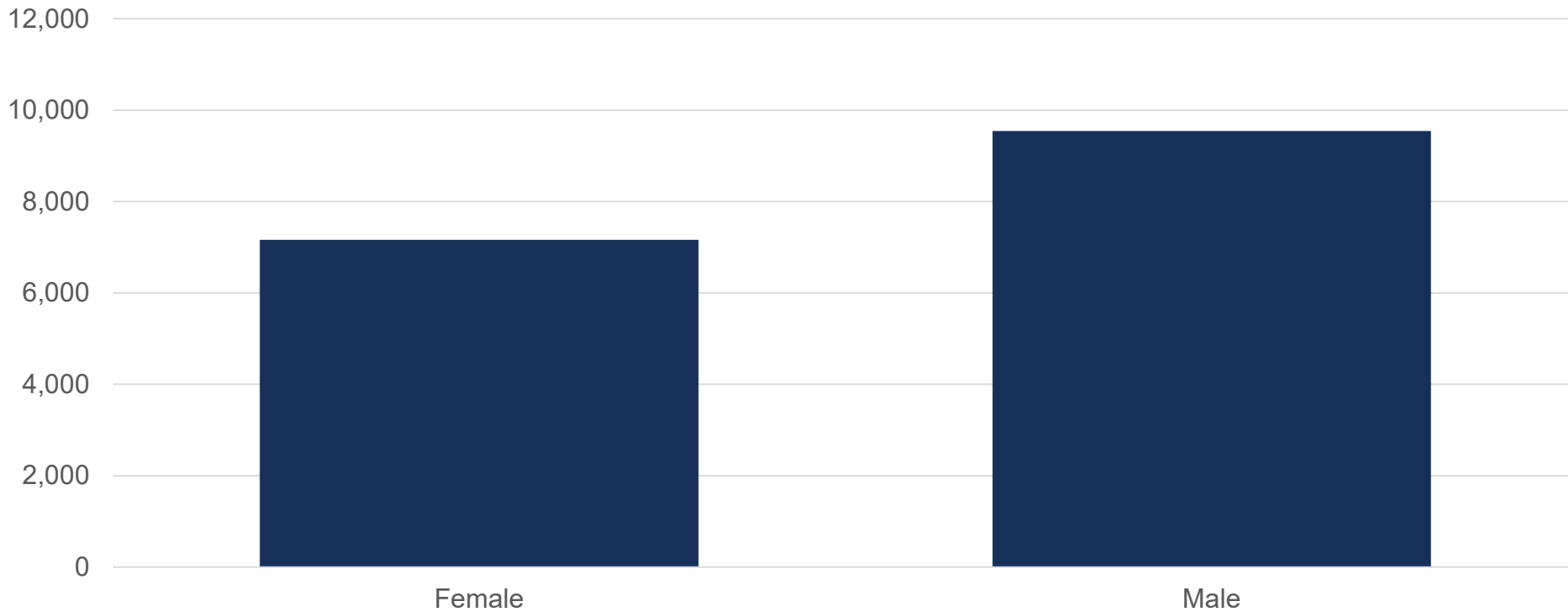
## Per 100,000 Beneficiaries 0-17 years old



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019	252	244	268	255	259	134	130	181	239	272	255	252
2020	376	380	2,748	8,501	8,492	7,485	7,758	7,800	10,317	10,824	9,344	10,678
2021	10,905	10,075	10,731	9,209	8,396	6,625	5,676	6,953	6,935			

# Telehealth Visits

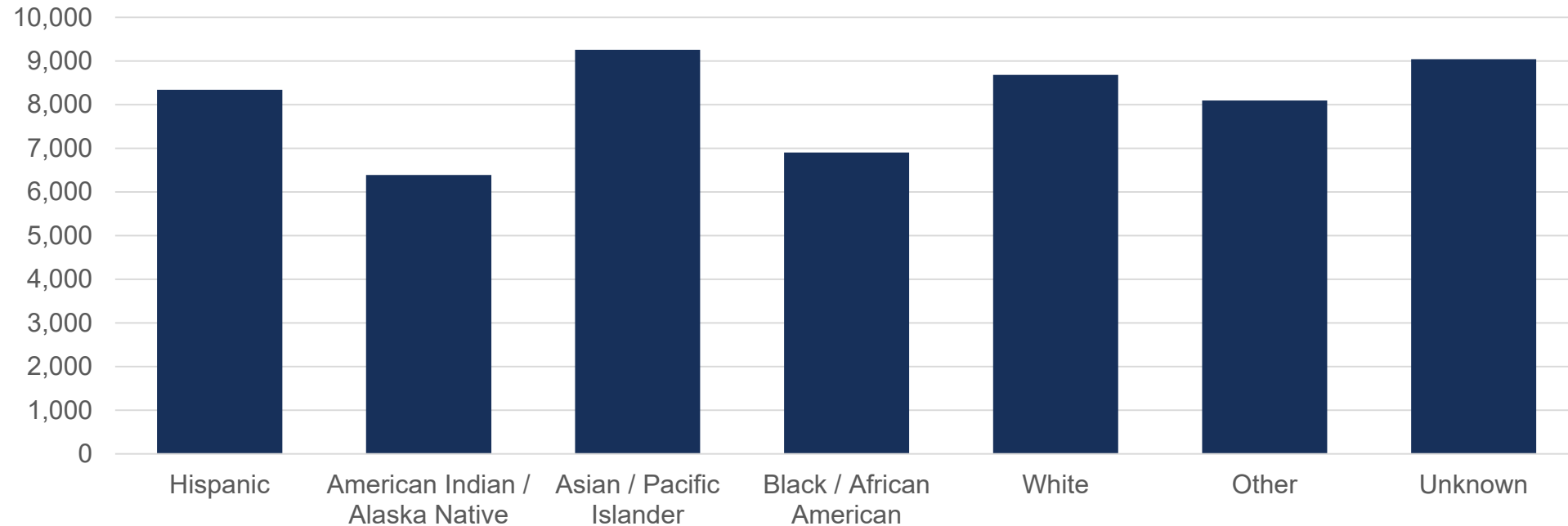
## By Sex per 100,000 beneficiaries 0-17 years old



Oct 20 - Sep 21	Female	Male
	7,160	9,543

# Telehealth Visits

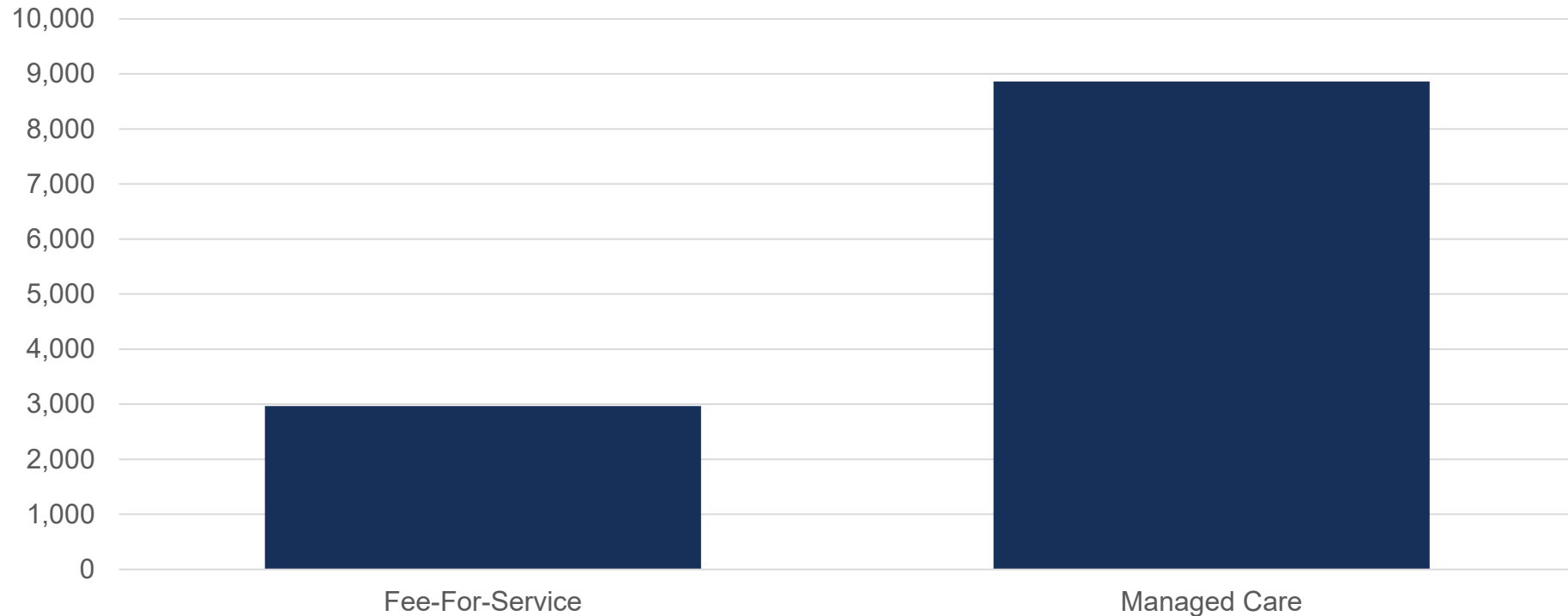
By Race/Ethnicity per 100,000 beneficiaries 0-17 years old



Oct 20 - Sep 21	Hispanic	American Indian / Alaska Native	Asian / Pacific Islander	Black / African American	White	Other	Unknown
	8,342	6,388	9,260	6,903	8,683	8,095	9,046

# Telehealth Visits

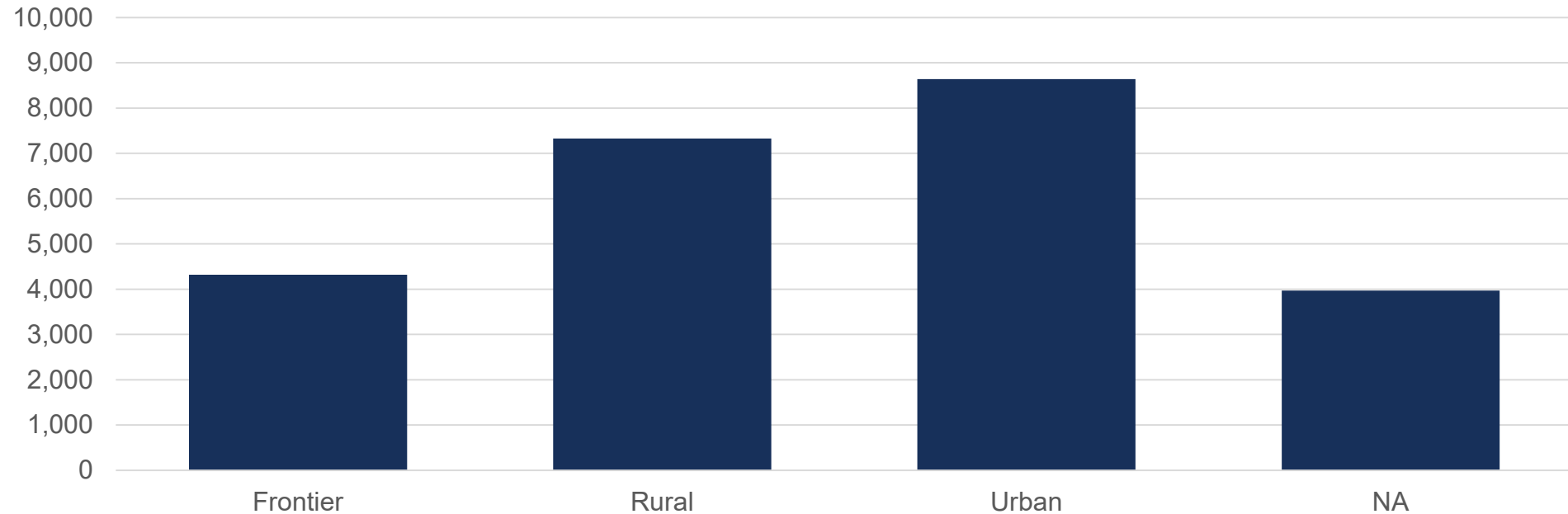
By Delivery System per 100,000 beneficiaries 0-17 years old



Oct 20 - Sep 21	Fee-For-Service	Managed Care
	2,967	8,863

# Telehealth Visits

By Location per 100,000 beneficiaries 0-17 years old



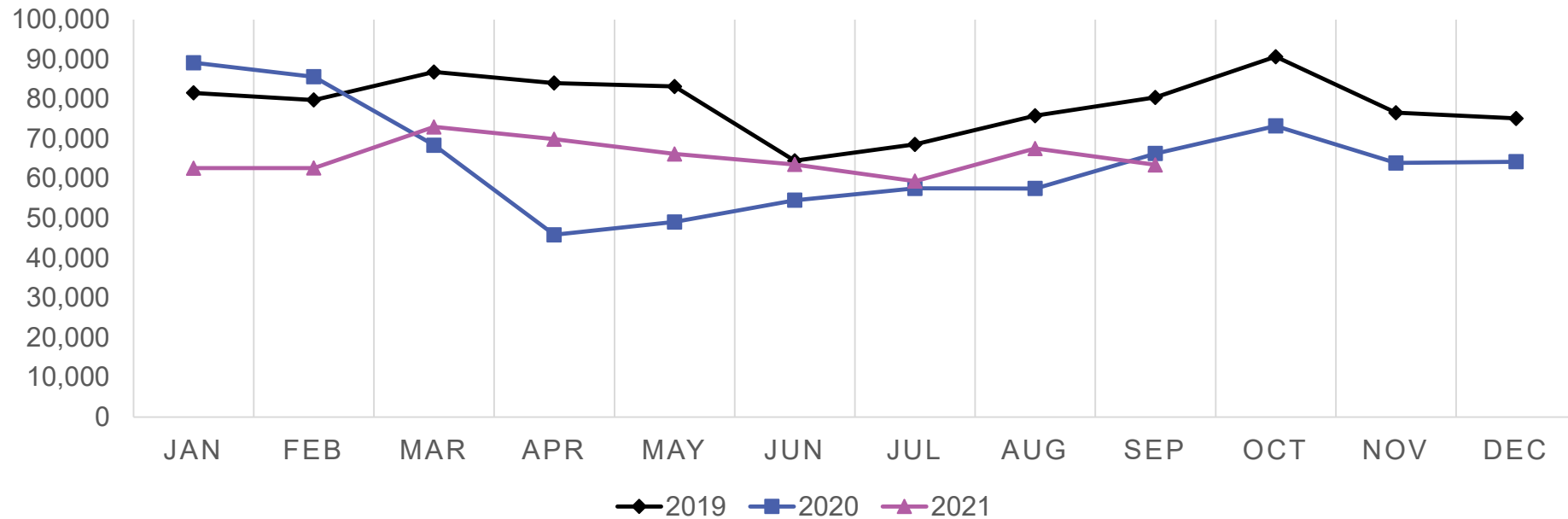
Oct 20 - Sep 21	Frontier	Rural	Urban	NA
	4,318	7,325	8,639	3,969

# Outpatient Visits

- » Total number of outpatient visits
- » Total number of outpatient visit includes telehealth visits
- » Telehealth visits constitute about 20% of the overall outpatient visits
- » Source of data:
  - » MIS/DSS Claims and Eligibility

# Outpatient Visits

## per 100,000 beneficiaries 0-17 Years Old

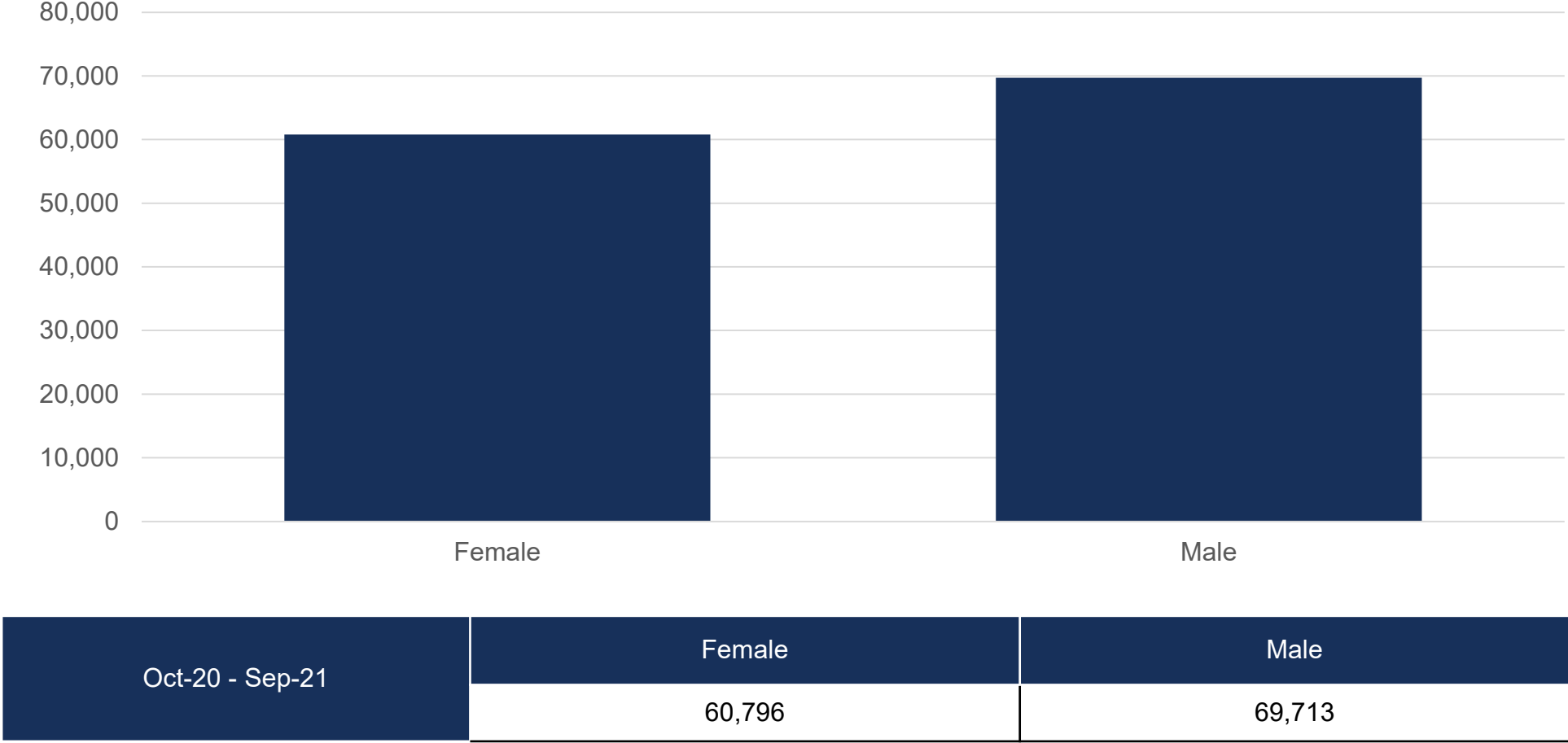


	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019	81,560	79,761	86,807	84,021	83,180	64,474	68,598	75,803	80,404	90,667	76,567	75,118
2020	89,138	85,600	68,373	45,846	49,069	54,523	57,514	57,480	66,286	73,247	63,911	64,245
2021	62,624	62,639	72,993	69,914	66,180	63,549	59,353	67,578	63,426			



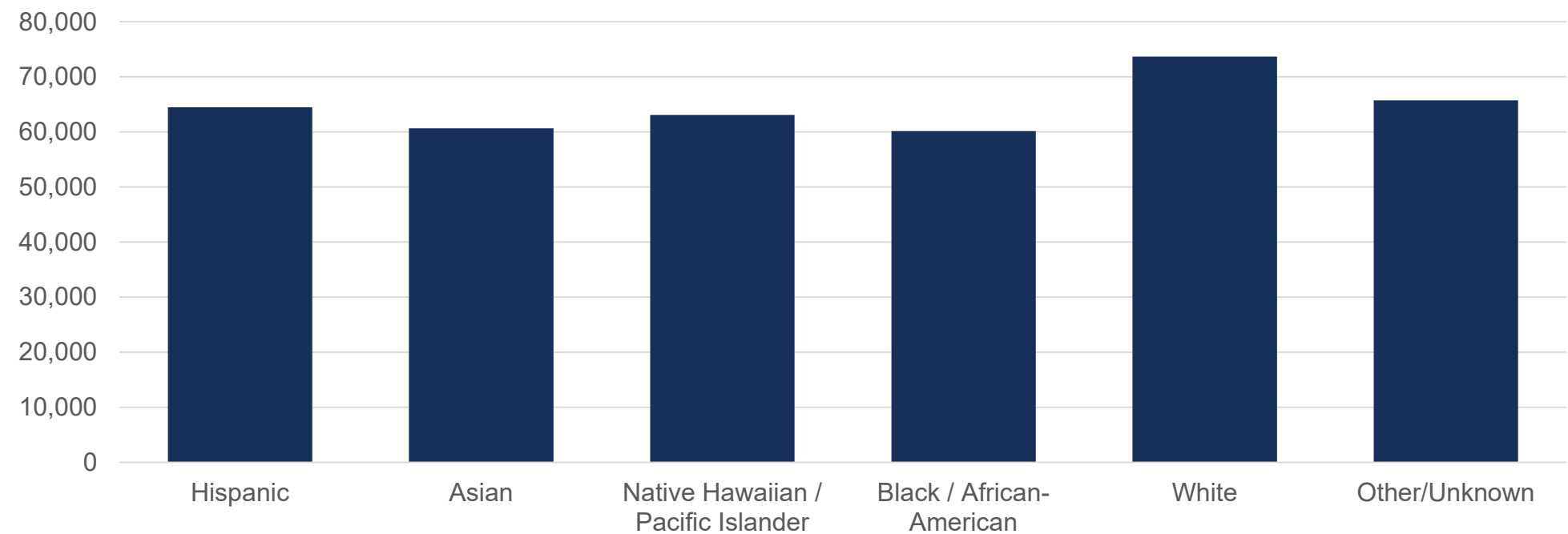
# Outpatient Visits

By Sex per 100,000 beneficiaries 0-17 years old



# Outpatient Visits

By Race/Ethnicity per 100,000 beneficiaries 0-17 years old



Oct-20 - Sep-21	Hispanic	Asian	Native Hawaiian / Pacific Islander	Black / African-American	White	Other/Unknown
	64,456	60,681	63,065	60,152	73,666	65,738

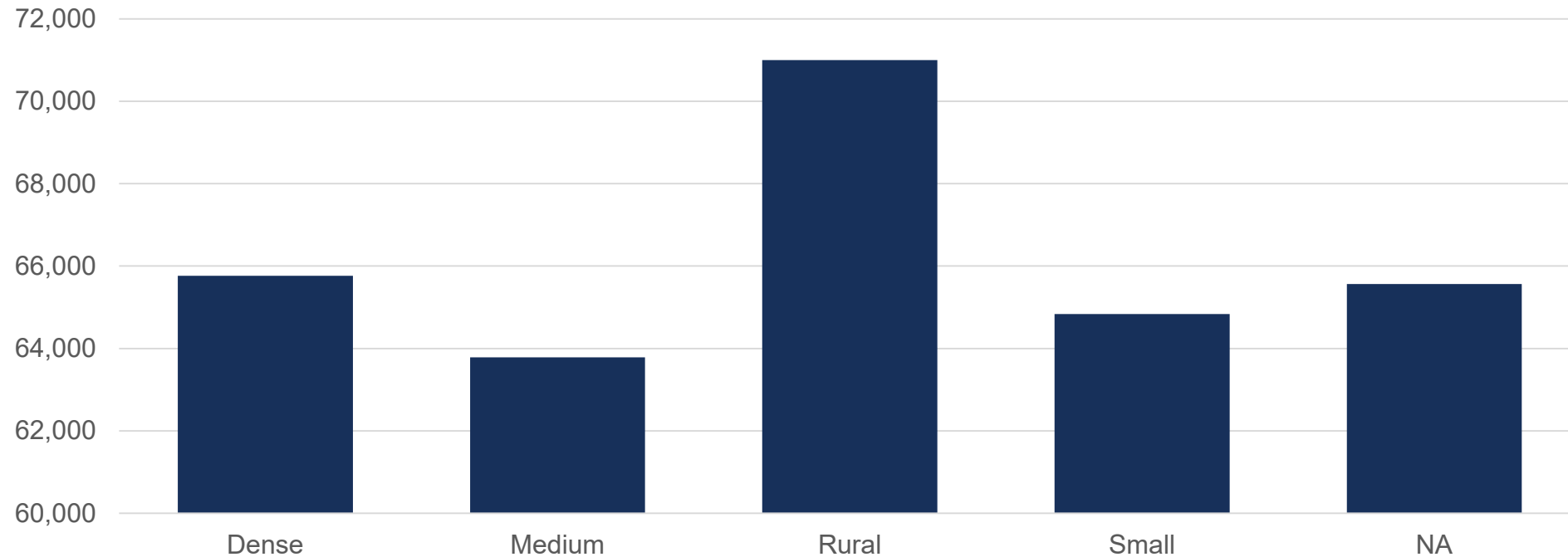
# Outpatient Visits

By Delivery System per 100,000 beneficiaries 0-17 years old



# Outpatient Visits

## By Location per 100,000 beneficiaries 0-17 years old



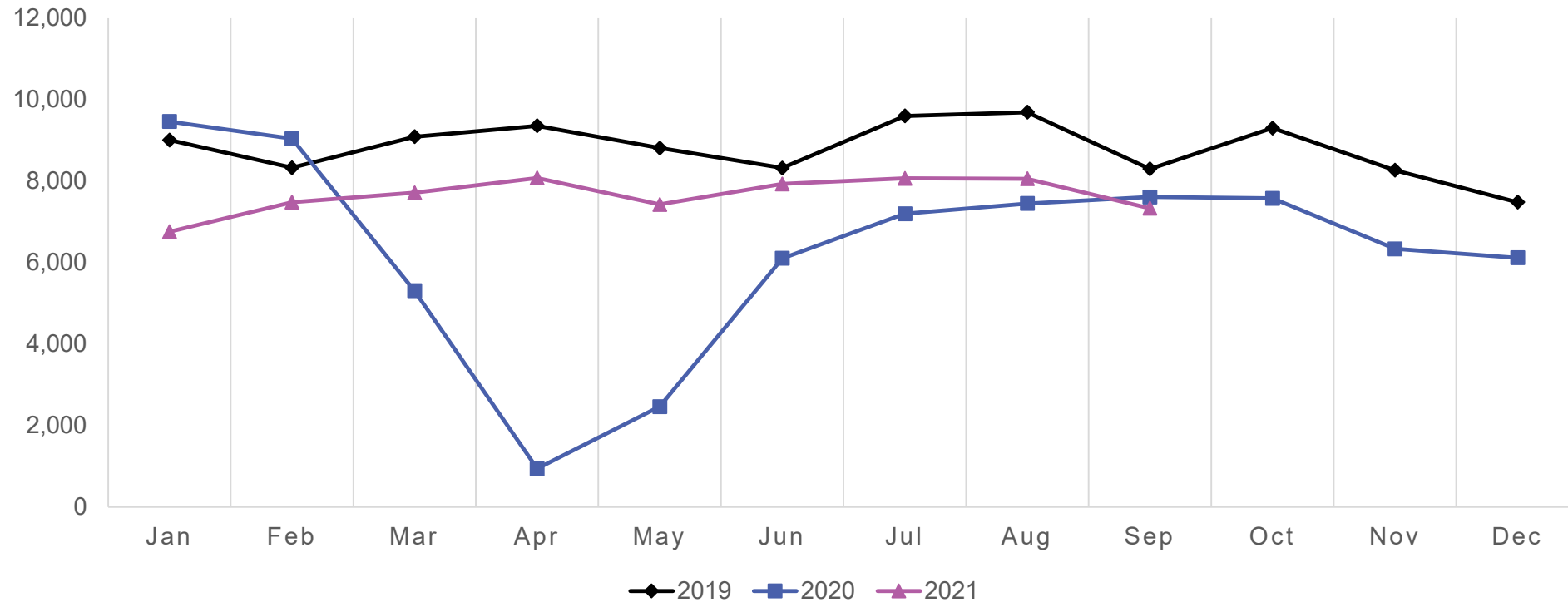
Oct-20 - Sep-21	Dense	Medium	Rural	Small	NA
	65,766	63,784	71,000	64,832	65,566

# Beneficiaries with Dental Visits

- » Beneficiaries receiving any Dental Care Visit Services
- » Data is presented for beneficiaries 0-20 years old
- » Methodology is based on the measure for Annual Dental Visits
- » Source of data:
  - » MIS/DSS Claims and Eligibility
- » Date of Data – February 2022

# Beneficiaries with Dental Visits

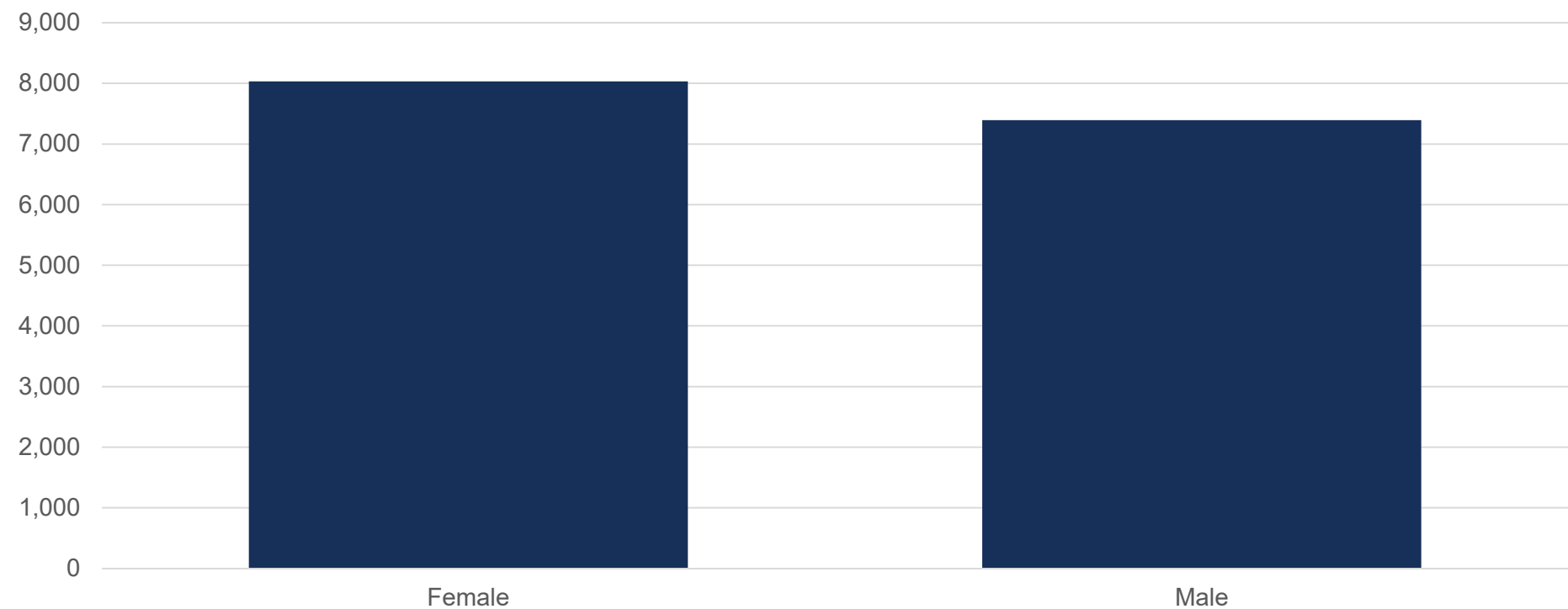
Per 100,000 beneficiaries 0-20 years old



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019	9,010	8,331	9,090	9,359	8,814	8,323	9,600	9,692	8,301	9,303	8,268	7,485
2020	9,463	9,043	5,310	942	2,465	6,106	7,199	7,451	7,612	7,580	6,337	6,119
2021	6,760	7,484	7,717	8,078	7,430	7,933	8,068	8,058	7,333			

# Beneficiaries with Dental Visits

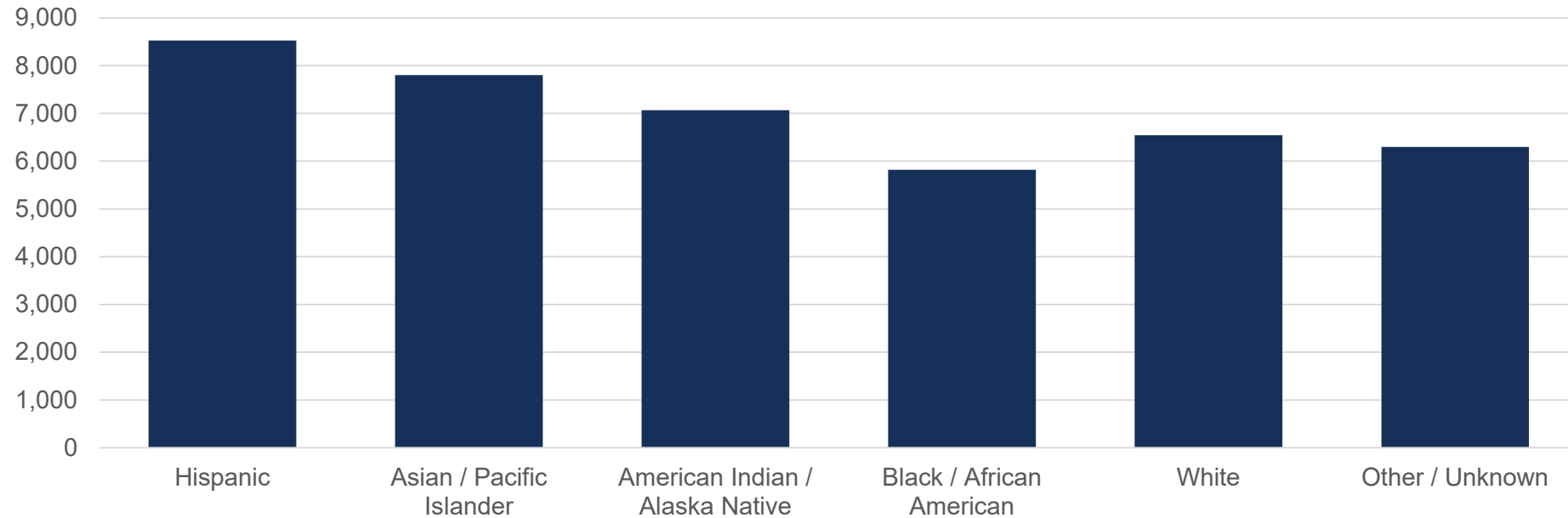
By Sex per 100,000 beneficiaries 0-20 years old



Oct 20 - Sep 21	Female	Male
	8,034	7,393

# Beneficiaries with Dental Visits

By Race/Ethnicity per 100,000 beneficiaries 0-20 years old

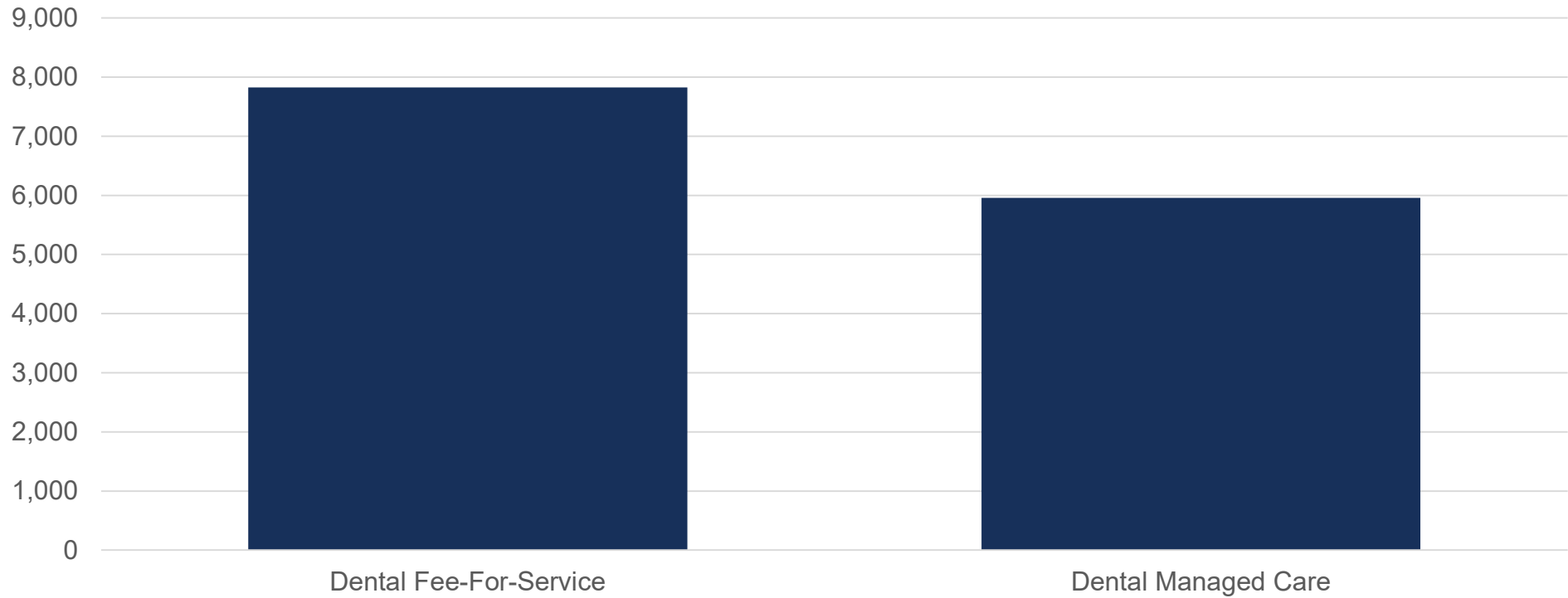


Oct 20 - Sep 21	Hispanic	Asian / Pacific Islander	American Indian / Alaska Native	Black / African American	White	Other / Unknown
	8,526	7,802	7,064	5,820	6,543	6,297



# Beneficiaries with Dental Visits

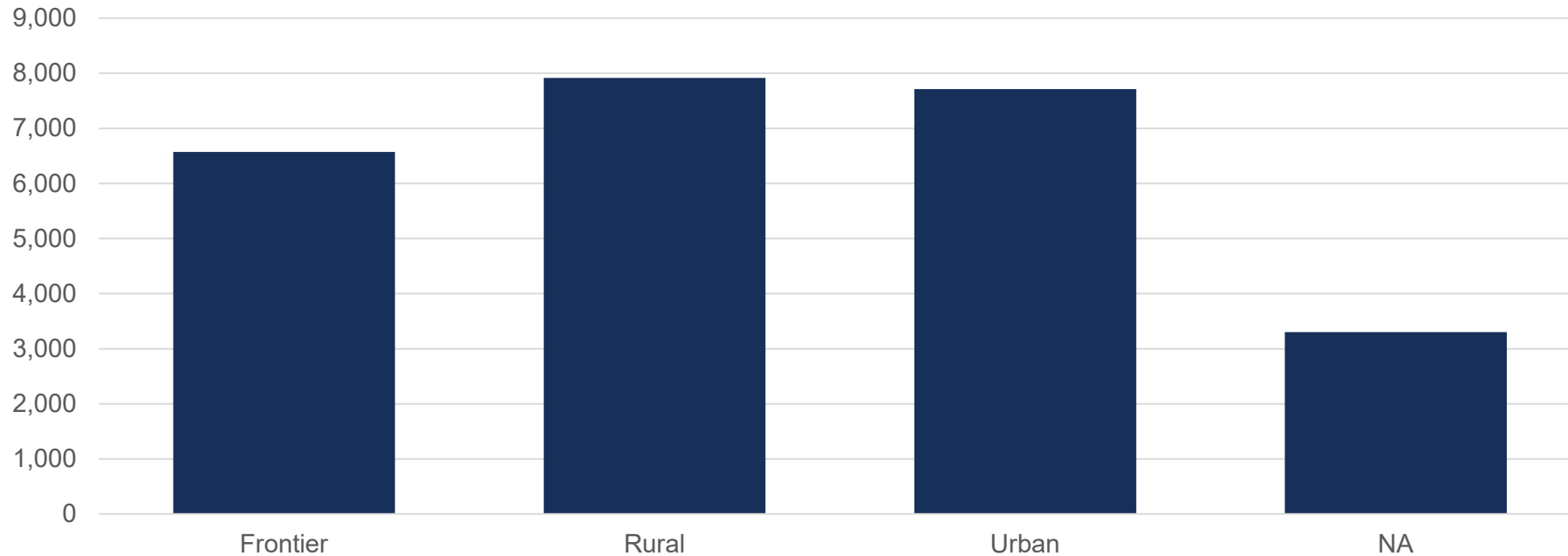
By Delivery System per 100,000 beneficiaries 0-20 years old



Oct 20 - Sep 21	Dental Fee-For-Service	Dental Managed Care
	7,826	5,959

# Beneficiaries with Dental Visits

By Location per 100,000 beneficiaries 0-20 years old



Oct 20 - Sep 21	Frontier	Rural	Urban	NA
	6,574	7,918	7,713	3,300

# Medi-Cal: Two Mental Health Delivery Systems for beneficiaries 0-20 years old

- » Managed Care Organizations Cover
  - » Non-specialty mental health services for those under 21 years
- » Mental Health Outpatient Services Include
  - » Individual and group mental health evaluation and treatment (psychotherapy)
  - » Psychological testing, when clinically indicated to evaluate a mental health condition
  - » Outpatient services for the purpose of monitoring drug therapy
  - » Outpatient laboratory, drugs, supplies and supplements (excluding antipsychotics)
  - » Psychiatric consultation.

# **Carved Out Mental Health Services for beneficiaries 0-20 years old**

## » Specialty Mental Health Services

- » Administered through county mental health plans (MHPs)
- » Services for children/youth whose mental health needs require care services not included in managed care plan (MCP) mental health benefits

## » Substance Use Disorder Benefits

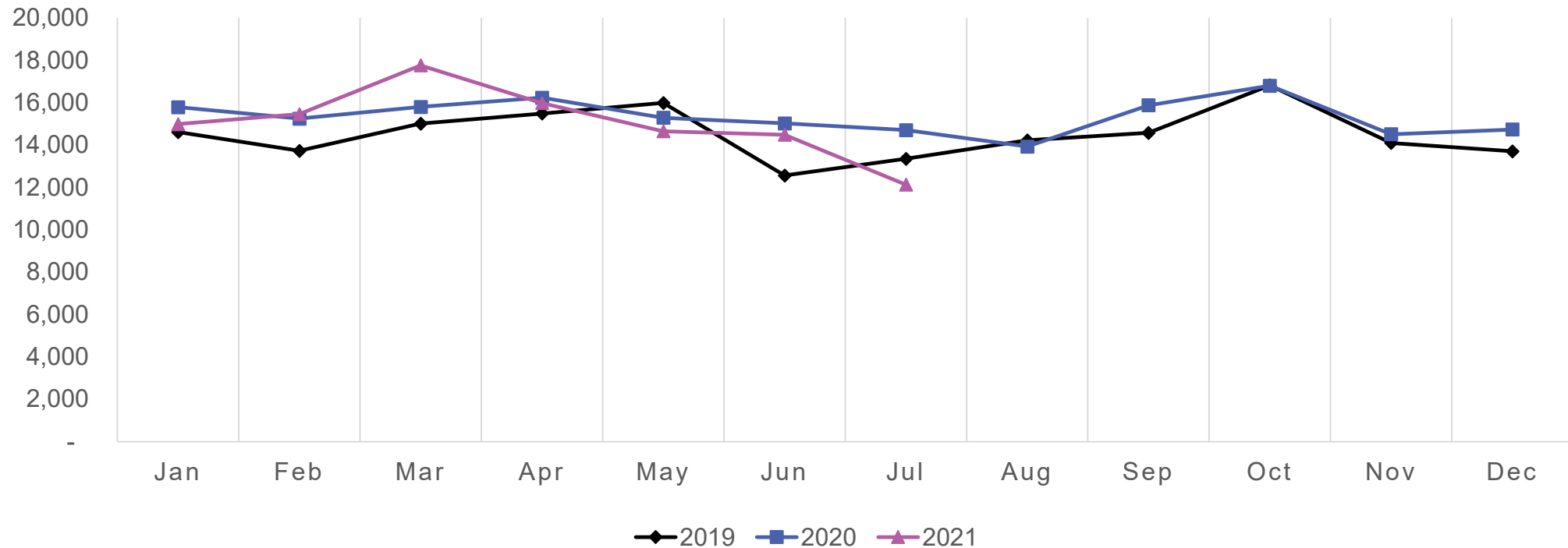
- » Administered through Drug Medi-Cal (DMC) and Drug Medi-Cal Organized Delivery System (DMC-ODS) counties, and waiver services.
- » Community-based system for SUD services through counties or through direct contracts with service providers

# Mental Health Visits

- » Non-specialty Mental Health Visits - Total number of mental health visits in managed care and fee-for-service
- » Specialty Mental Health Visits – Total number of mental health visits in the Specialty Mental Health System
- » Each unique visit is defined by a unique combination of beneficiary and visit date
- » Penetration rate is the percentage of beneficiaries with an identified mental health service need who received at least one qualifying service during the measurement year.
- » Total number of visits includes telehealth visits
- » Visits have broad inclusion of procedures for screening, evaluation, care, and treatment provided in a non-specialty and specialty claiming systems
- » Source of data: MIS/DSS Claims and Eligibility

# Total Mental Health Visits

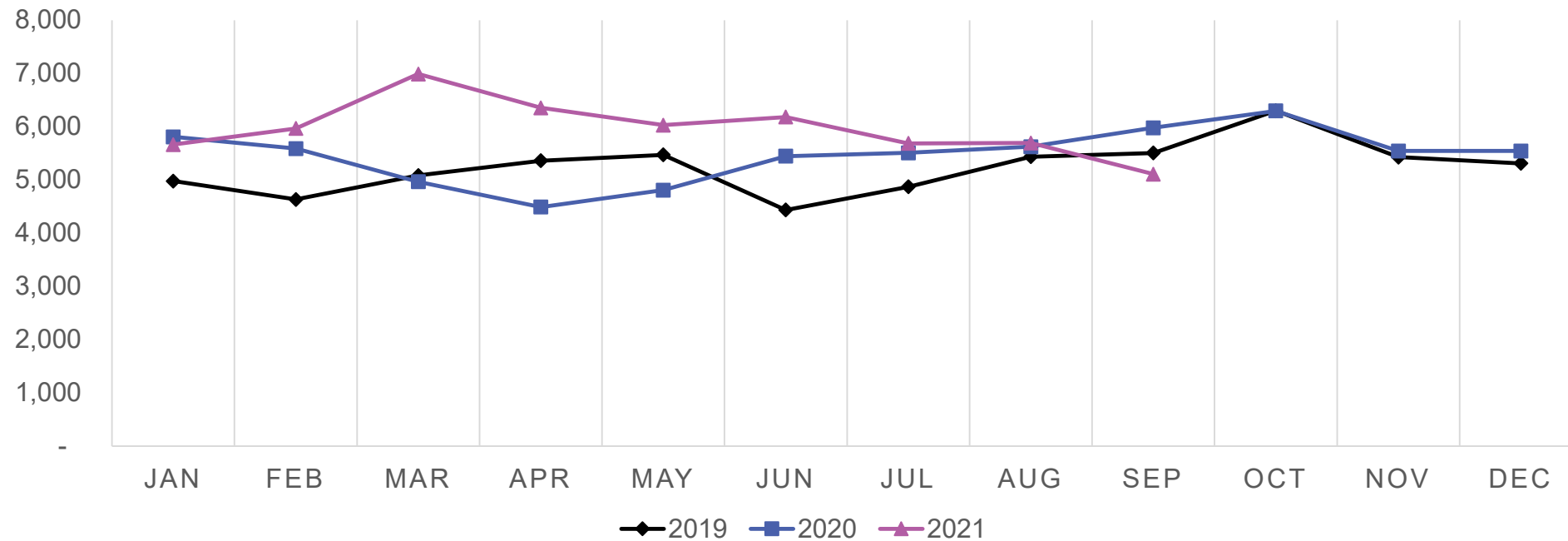
## per 100,000 beneficiaries 0-20 years old



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019	14,608	13,724	15,008	15,486	15,987	12,559	13,349	14,220	14,573	16,819	14,099	13,704
2020	15,785	15,244	15,797	16,237	15,289	15,020	14,704	13,927	15,875	16,799	14,512	14,735
2021	14,985	15,457	17,759	15,984	14,654	14,484	12,131					

# Non-Specialty Mental Health Visits

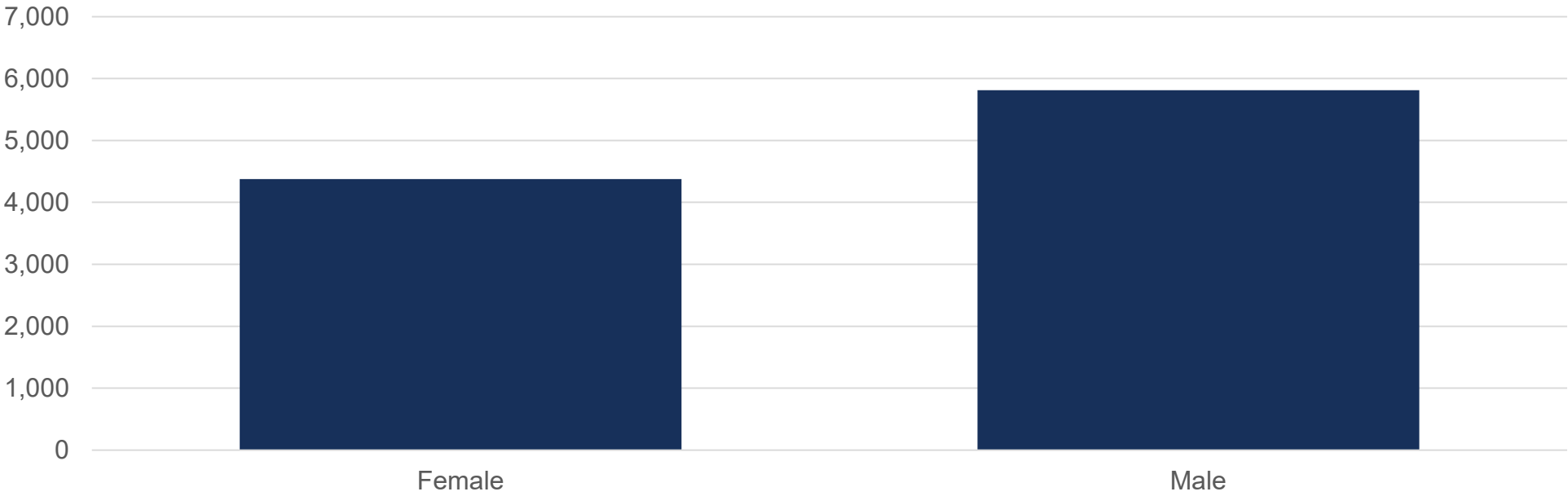
per 100,000 beneficiaries 0-20 years old



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019	4,979	4,633	5,084	5,362	5,470	4,435	4,870	5,436	5,506	6,299	5,430	5,311
2020	5,810	5,589	4,965	4,492	4,808	5,447	5,509	5,625	5,978	6,296	5,544	5,545
2021	5,663	5,966	6,989	6,354	6,030	6,182	5,687	5,695	5,109			

# Non-Specialty Mental Health Visits

By Sex per 100,000 beneficiaries 0-20 years old

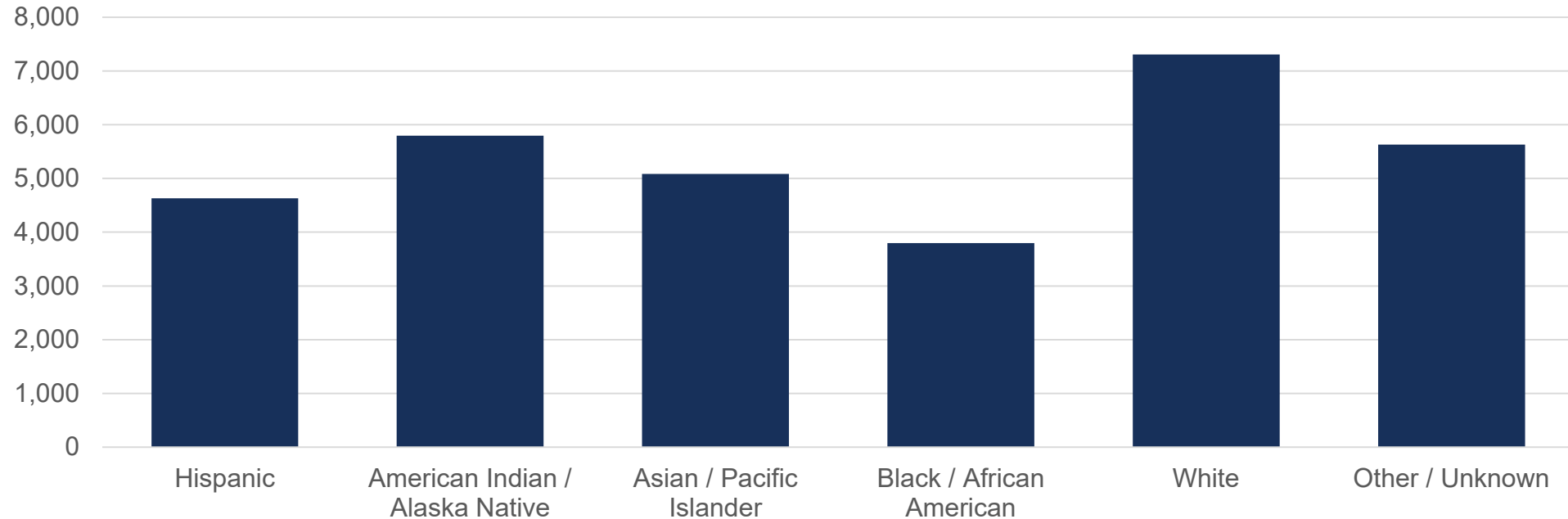


Oct 20 - Sep 21	Female	Male
	4,376	5,813



# Non-Specialty Mental Health Visits

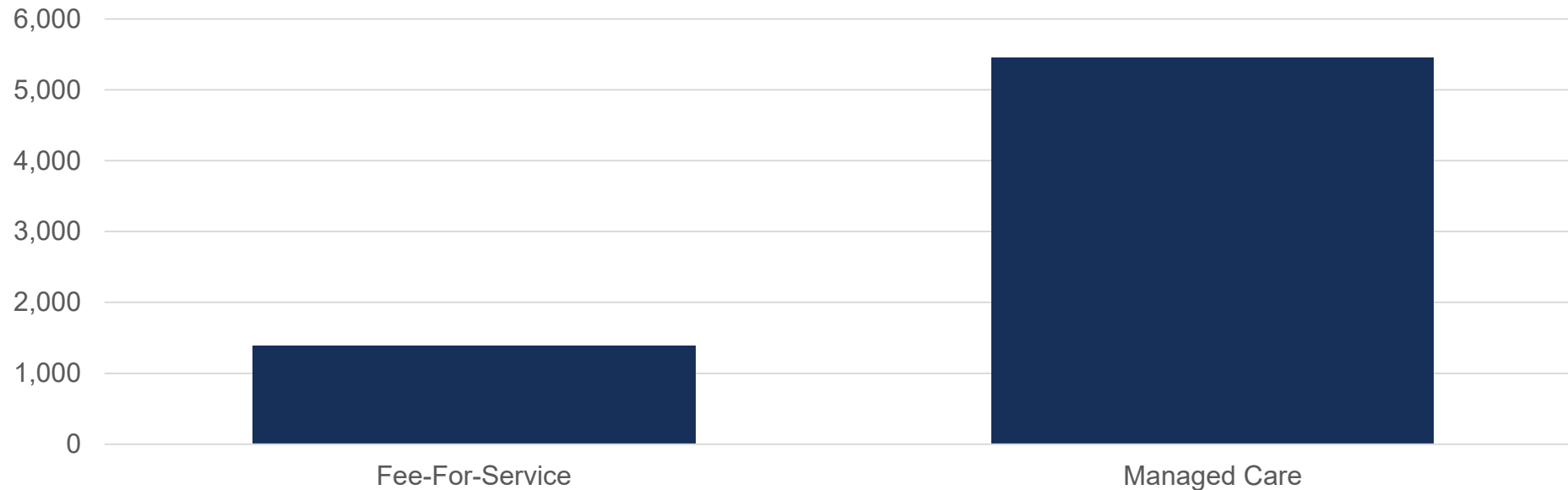
By Race/Ethnicity per 100,000 beneficiaries 0-20 years old



Oct 20 - Sep 21	Hispanic	American Indian / Alaska Native	Asian / Pacific Islander	Black / African American	White	Other / Unknown
	4,629	5,796	5,086	3,799	7,308	5,632

# Non-Specialty Mental Health Visits

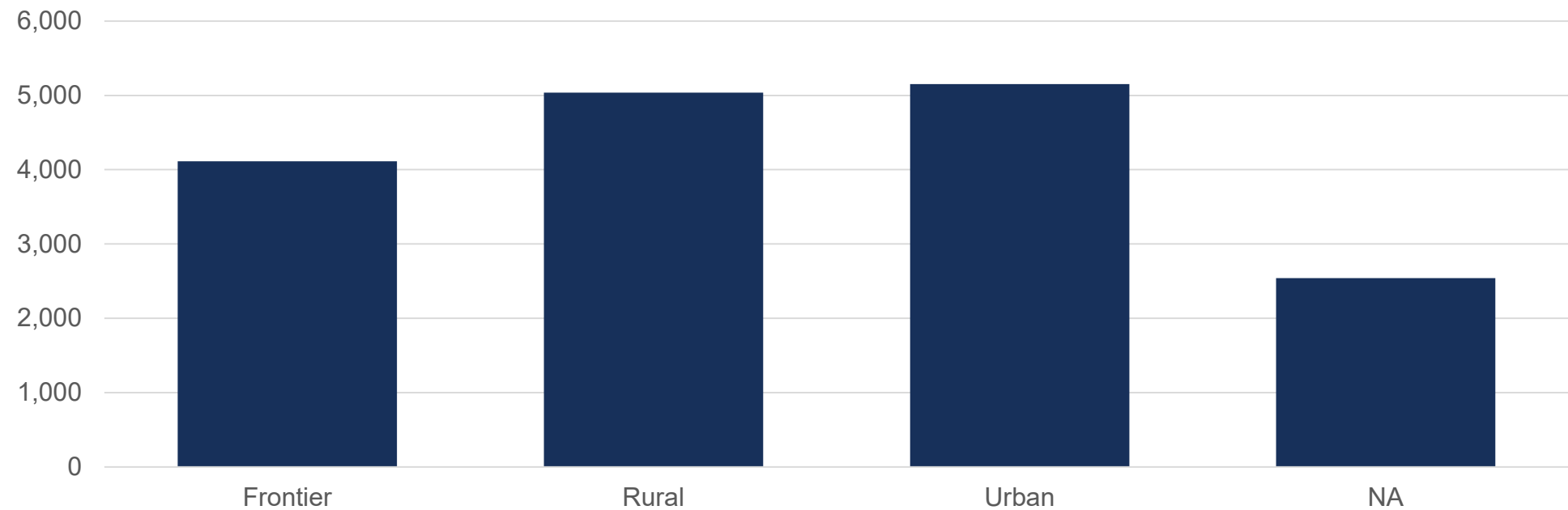
By Delivery System per 100,000 beneficiaries 0-20 years old



Oct 20 - Sep 21	Fee-For-Service	Managed Care
	1,392	5,453

# Non-Specialty Mental Health Visits

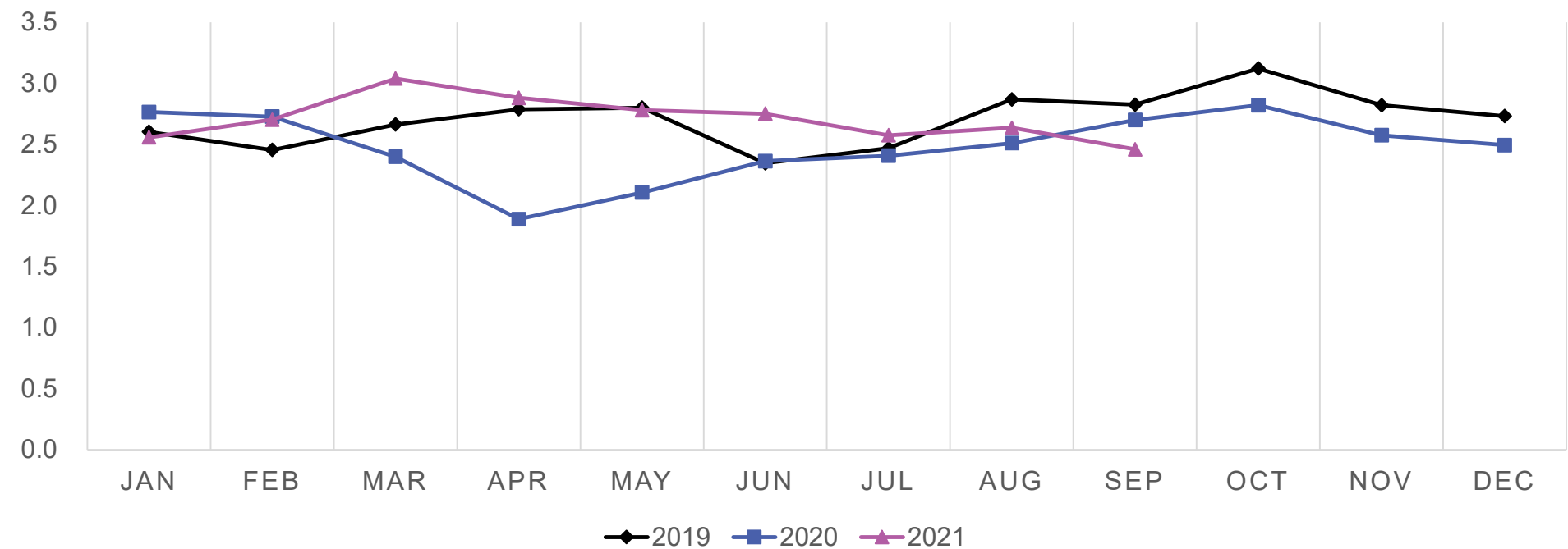
By Location per 100,000 beneficiaries 0-20 years old



Oct 20 - Sep 21	Frontier	Rural	Urban	NA
	4,112	5,038	5,150	2,540

# Non-Specialty Mental Health Penetration Rates

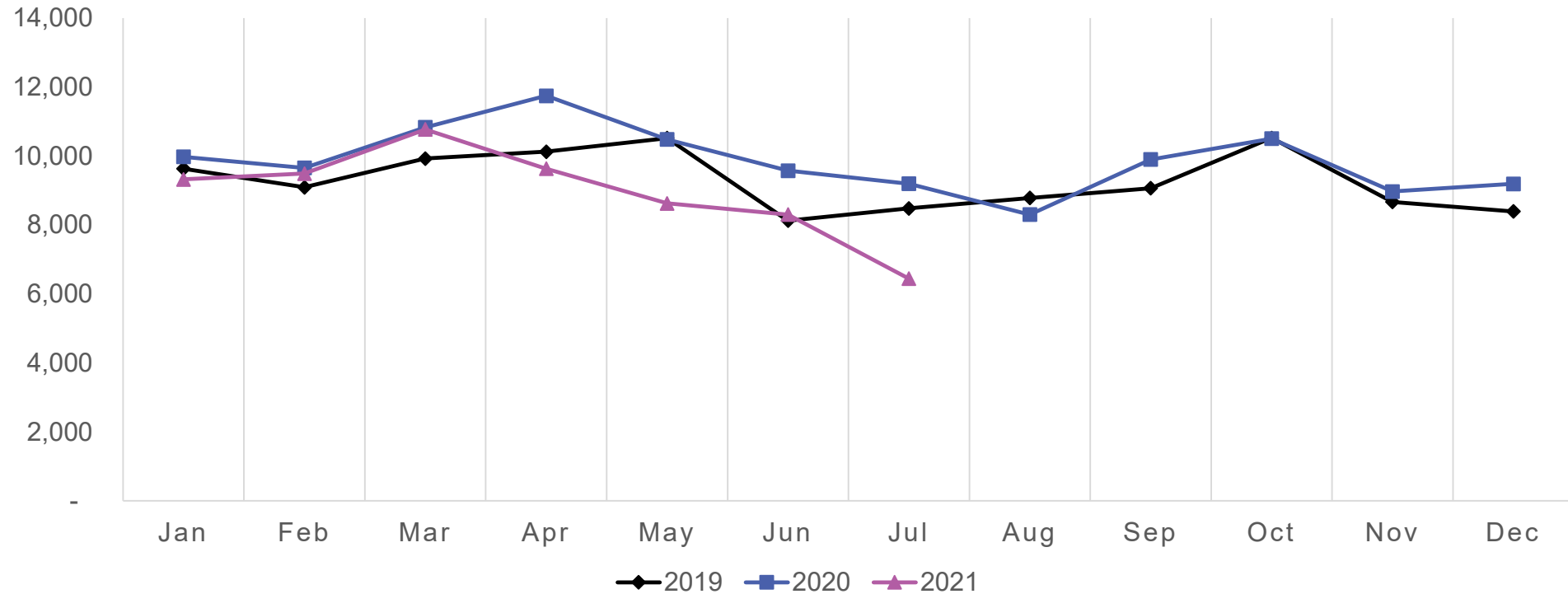
## for beneficiaries 0-20 years old



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019	2.6	2.5	2.7	2.8	2.8	2.3	2.5	2.9	2.8	3.1	2.8	2.7
2020	2.8	2.7	2.4	1.9	2.1	2.4	2.4	2.5	2.7	2.8	2.6	2.5
2021	2.6	2.7	3.0	2.9	2.8	2.7	2.6	2.6	2.5			

# Specialty Mental Health Visits

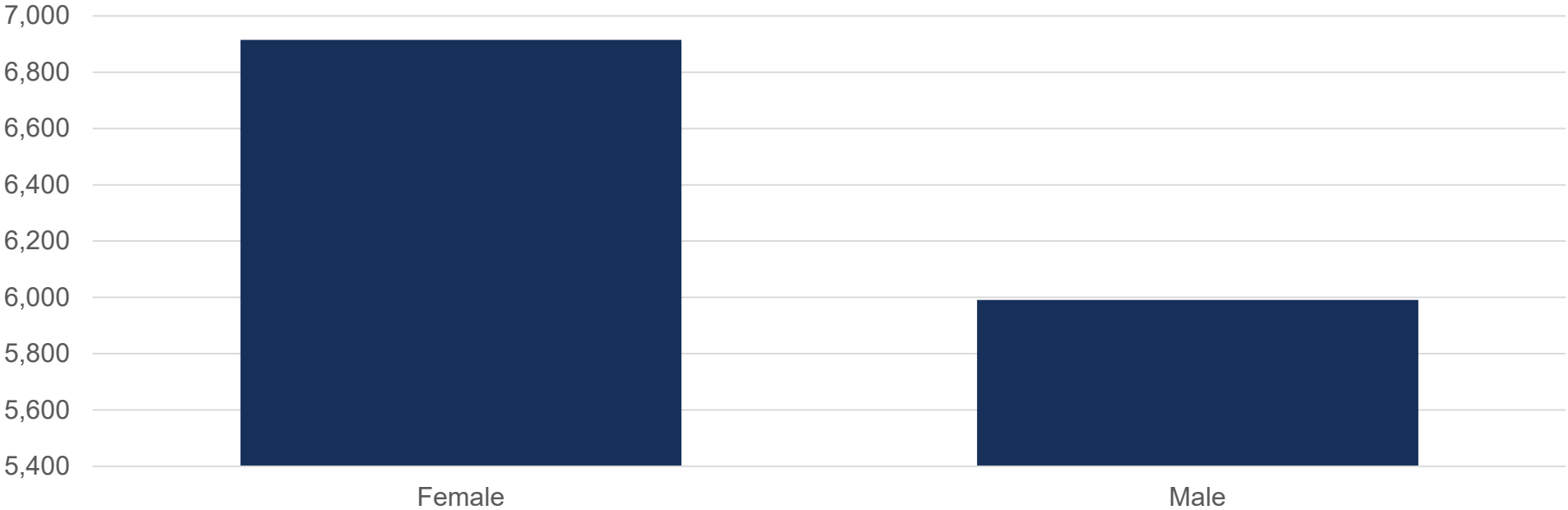
per 100,000 beneficiaries 0-20 years old



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019	9,629	9,091	9,924	10,124	10,517	8,123	8,479	8,783	9,066	10,520	8,669	8,393
2020	9,975	9,656	10,832	11,746	10,481	9,573	9,194	8,302	9,897	10,502	8,968	9,190
2021	9,322	9,491	10,770	9,629	8,624	8,302	6,444					

# Specialty Mental Health Visits

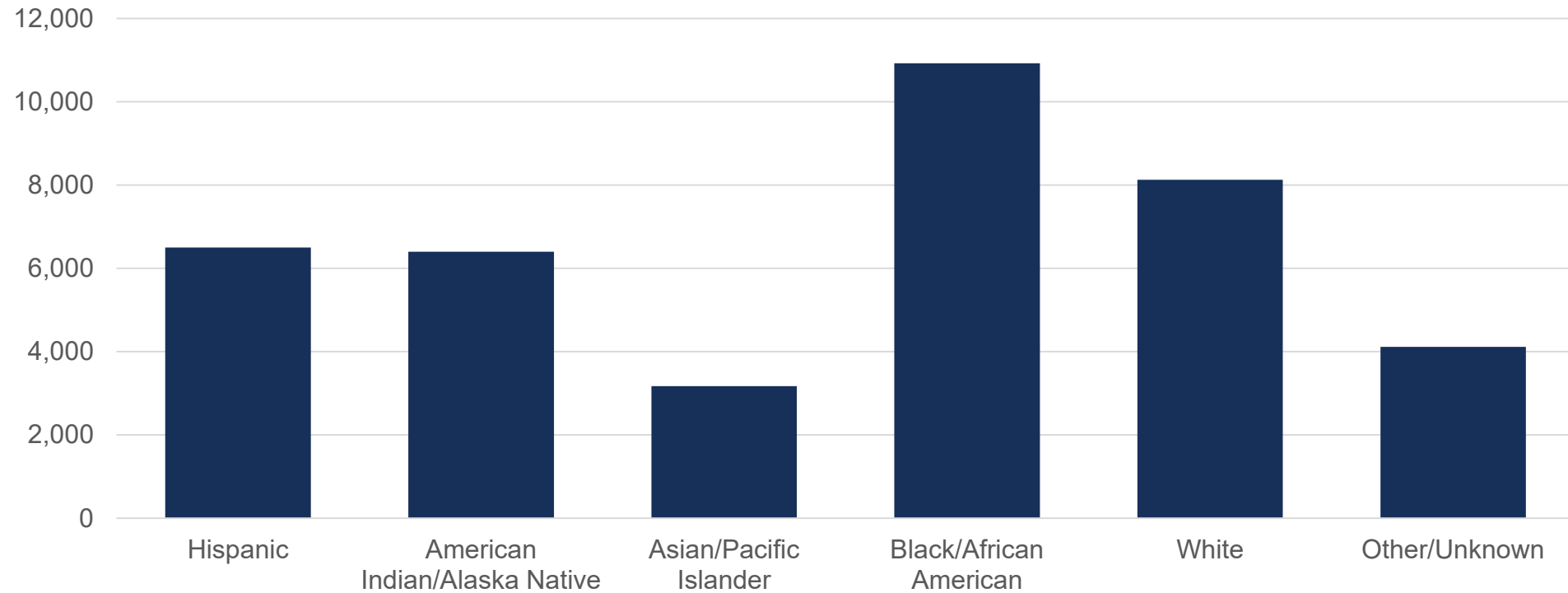
By Sex per 100,000 beneficiaries 0-20 years old



Aug 20 - Jul 21	Female	Male
	6,915	5,991

# Specialty Mental Health Visits

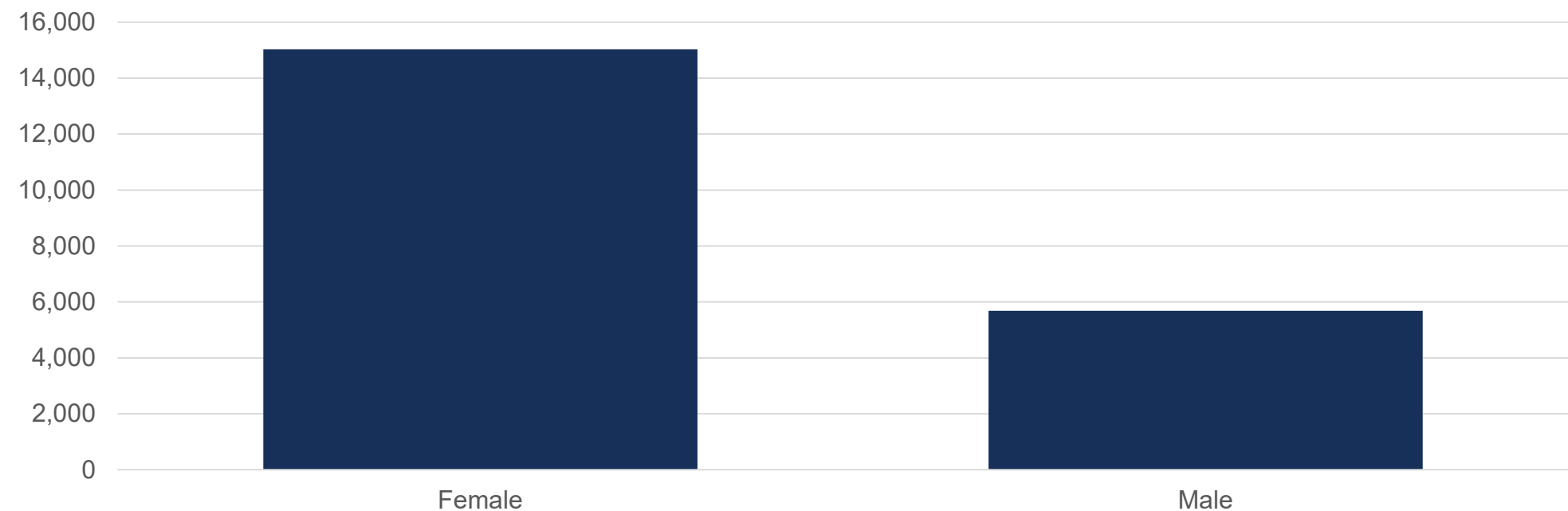
## By Race/Ethnicity per 100,000 beneficiaries 0-20 years old



Aug 20 - Jul 21	Hispanic	American Indian/Alaska Native	Asian/Pacific Islander	Black/African American	White	Other/Unknown
	6,500	6,401	3,172	10,923	8,127	4,112

# Specialty Mental Health Visits

By Delivery System per 100,000 beneficiaries 0-20 years old

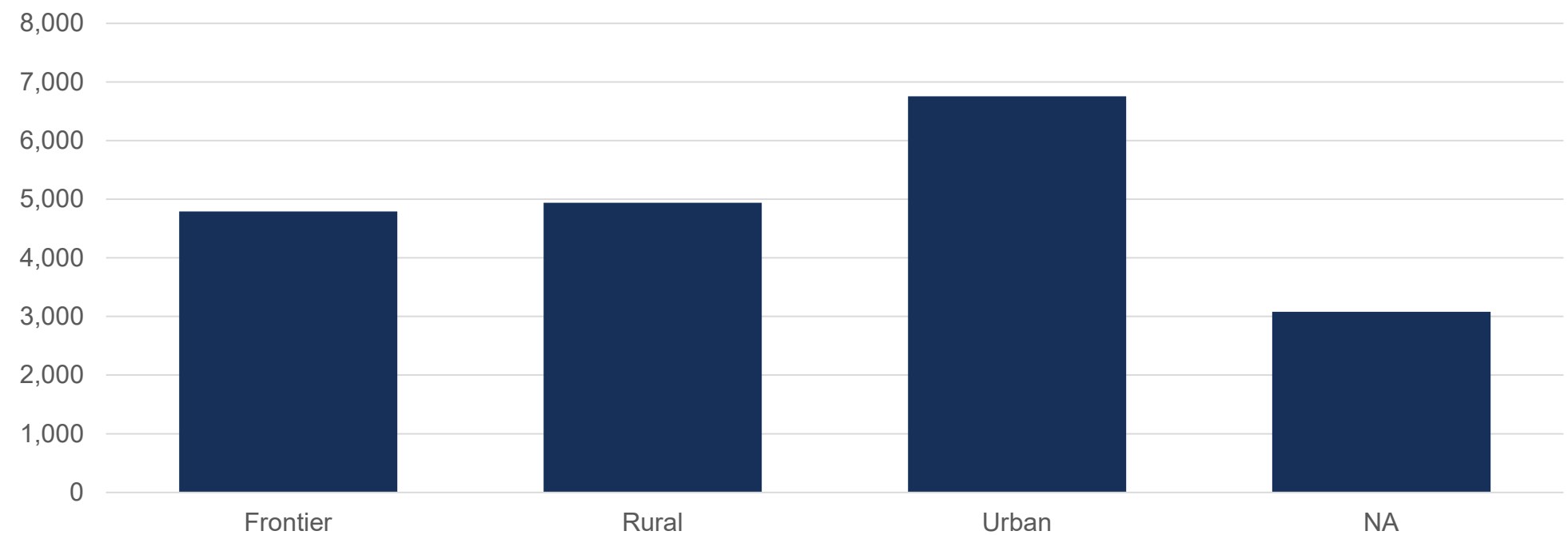


Aug 20 - Jul 21	Female	Male
	15,037	5,686



# Specialty Mental Health Visits

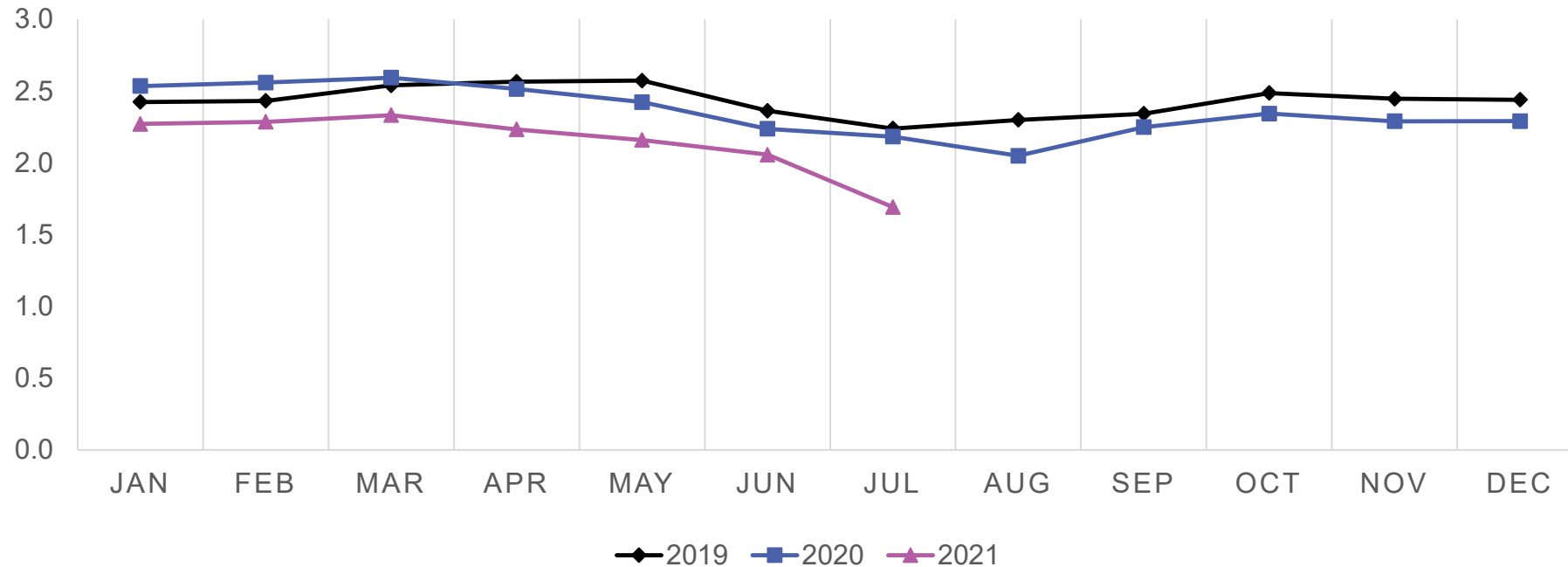
By Location per 100,000 beneficiaries 0-20 years old



Aug 20 - Jul 21	Frontier	Rural	Urban	NA
	4,790	4,938	6,757	3,079

# Specialty Mental Health Penetration Rates

## for beneficiaries 0-20 years old



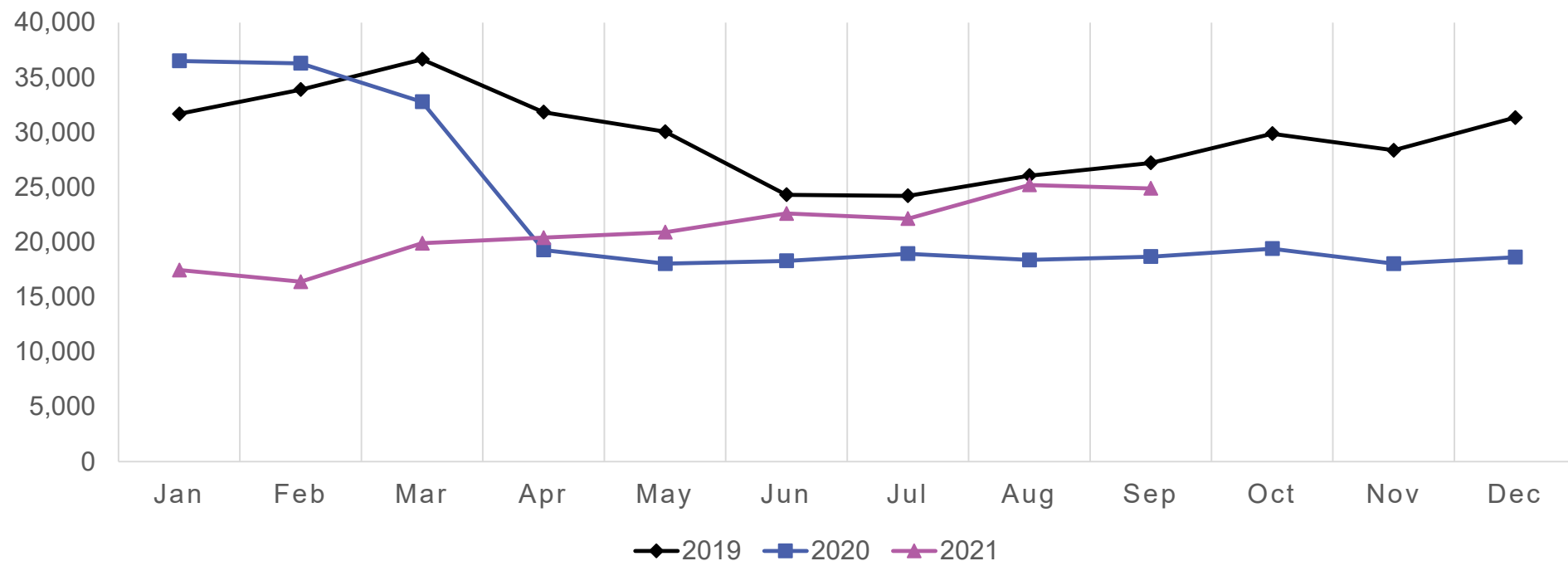
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019	2.4	2.4	2.5	2.6	2.6	2.4	2.2	2.3	2.3	2.5	2.4	2.4
2020	2.5	2.6	2.6	2.5	2.4	2.2	2.2	2.0	2.2	2.3	2.3	2.3
2021	2.3	2.3	2.3	2.2	2.2	2.1	1.7					

# Prescription Claims

- » Data represent totals of prescriptions (claims), not individual people
- » Data only includes outpatient prescriptions
- » Source of data:
  - » MIS/DSS Claims and Eligibility
  - » Pharmacy Claims

# Prescription Claims

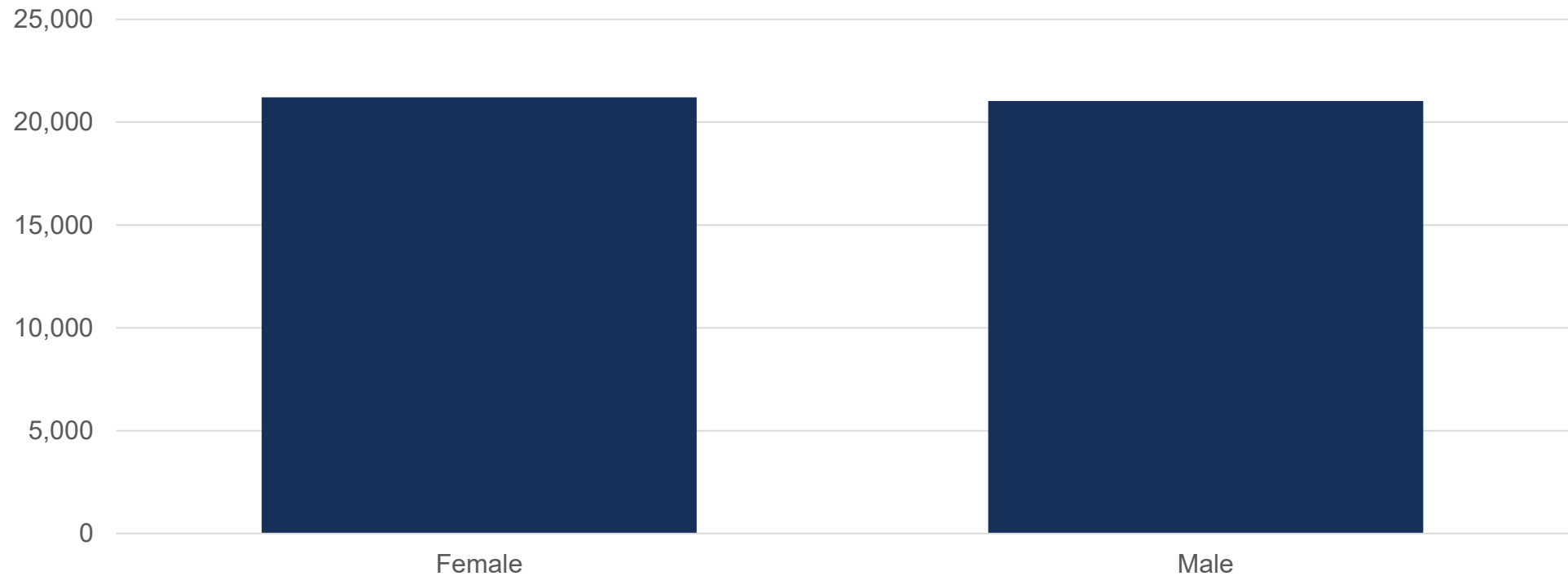
## Per 100,000 beneficiaries 0-17 years old



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019	31,678	33,891	36,652	31,835	30,060	24,317	24,218	26,057	27,216	29,877	28,361	31,340
2020	36,504	36,290	32,782	19,280	18,038	18,292	18,936	18,376	18,677	19,397	18,027	18,624
2021	17,459	16,385	19,899	20,407	20,906	22,602	22,138	25,210	24,897			

# Prescription Claims

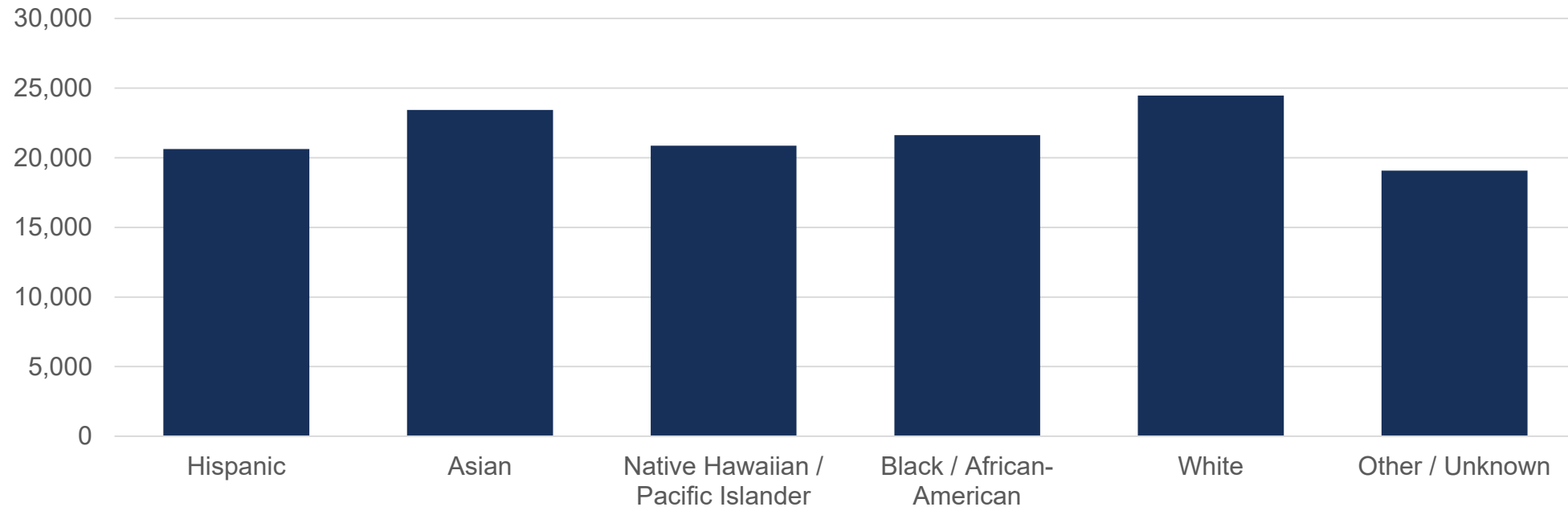
## By Sex per 100,000 beneficiaries 0-17 years old



Oct-20 - Sep-21	Female	Male
	21,214	21,027

# Prescription Claims

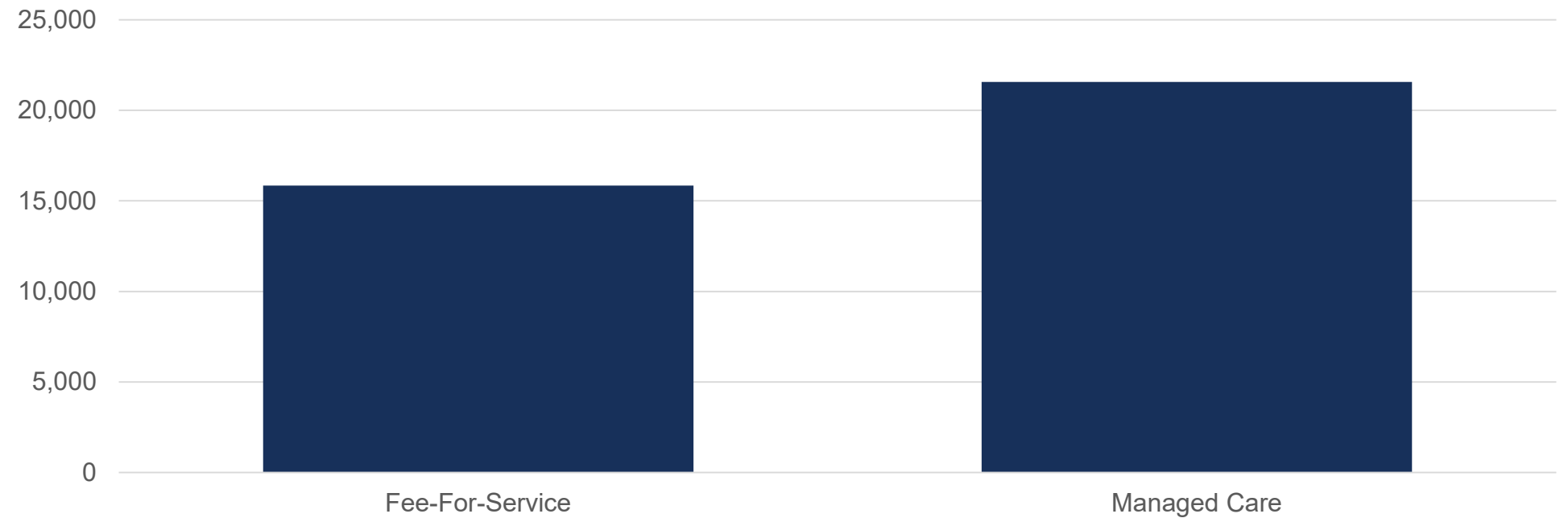
## By Race/Ethnicity per 100,000 beneficiaries 0-17 years old



Oct-20 - Sep-21	Hispanic	Asian	Native Hawaiian / Pacific Islander	Black / African-American	White	Other / Unknown
	20,626	23,424	20,866	21,628	24,468	19,069

# Prescription Claims

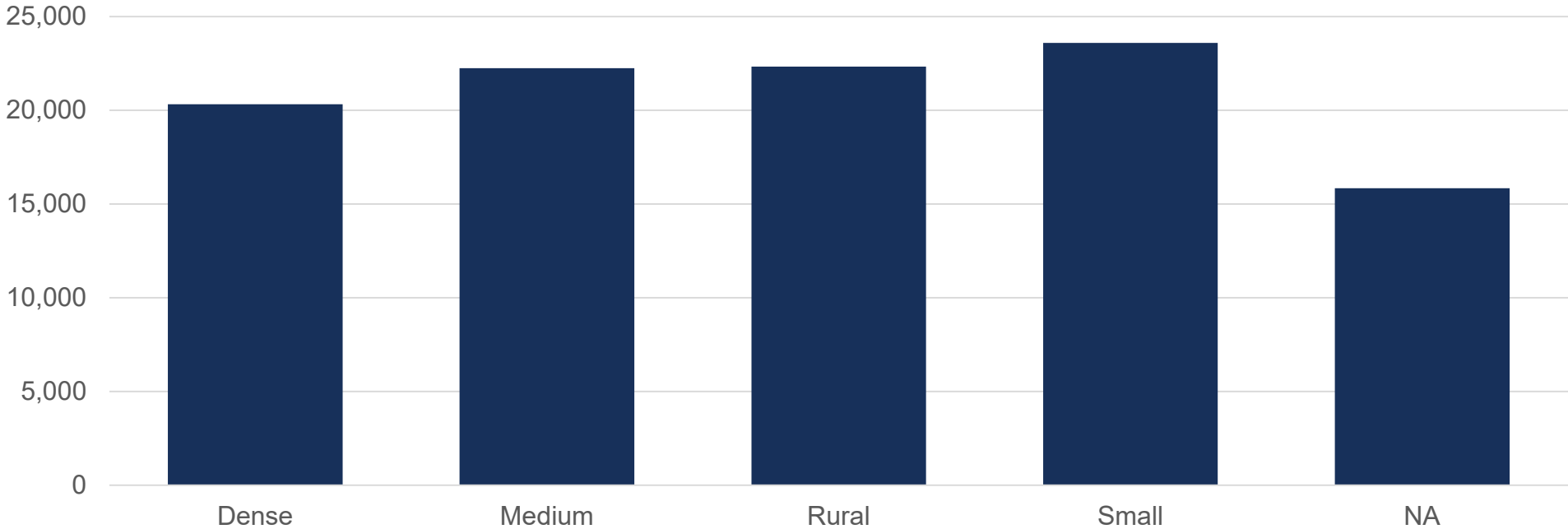
By Delivery System per 100,000 beneficiaries 0-17 years old



Oct-20 - Sep-21	Fee-For-Service	Managed Care
	15,840	21,574

# Prescription Claims

## By Location per 100,000 beneficiaries 0-17 years old



Oct-20 - Sep-21	Dense	Medium	Rural	Small	NA
	20,319	22,243	22,327	23,596	15,840